ANALOGUE CAMERAS

Internal Static Domes	98
External Static Domes	100
Static Dome Accessories	102
Bullet Cameras	104
Box Cameras	106
Lenses	107
Watec	108
Zoom Cameras	110
Vista PTZ Speed Domes	111
PTZ Speed Domes	112
Positioning Systems	116
Specialist Cameras	117
Licence Plate Capture	118
Vista VNPR	119

INTERNAL STATIC DOMES

	Manufacturer	Part No	Quick Ref	Resolution (TVL)	Sensor	Lens	Sensitivity	Operation	WDR	UTP	Case	Bubble	Liner	Power
	INTERNAL STATIC DOMES													
	American Dynamics	**ADCA7DWIC8P**	0629210	690 TVL	1/3 Pixim Seawolf	2.5 - 6mm	0.03 lux	TDN	✓	-	White	Clear	-	12/24V
	American Dynamics	**ADCA7DWIC4P**	0629000	690 TVL	1/3 Pixim Seawolf	2.8 - 10mm	0.03 lux	TDN	✓	-	White	Clear	-	12/24V
	American Dynamics	**ADCA5DWIC4P**	0629010	700 TVL	1/3 Sony Effio	2.8 - 10mm	0.03 lux	TDN	-	-	White	Clear	-	12/24V
	American Dynamics	**ADCA3DWIC2P**	0629030	600 TVL	1/3	3-9mm	0.55 lux	SDN	-	-	White	Clear	-	12/24V
	Bosch	**VDN-276-10**	0571840	960H	1/3 CCD	2.8 - 10.5mm	0.07 lux	TDN	-	-	-	-	-	12V DC / 24V AC
	Bosch	**VDN-295-10**	0571850	960H	1/3 CCD	2.8 - 10.5mm	0.05 lux	TDN	✓	-	-	-	-	12V DC / 24V AC
	Bosch	**VUC-1055-F211**	0731630	960H	1/3 CCD	2.5mm	0.43 lux	CM	-	-	-	-	-	12VDC
	Bosch	**VDC-275-10**	0701730	960H	1/3 CCD	2.8 - 10.5mm	0.12 lux	CM	-	-	-	-	-	12V DC / 24V AC
	Pelco	**FD1-F4-4X**	0614110	540 TVL	1/3 CCD	4mm	Colour 0.2 lux	SDN	-	-	ABS Plastic	Clear	-	12V DC
	Pelco	**FD1-IRF4-4X**	0614120	540 TVL	1/3 CCD	4mm	Colour 0.2 lux/Mono (with IR) 0.0 lux	SDN	-	-	ABS Plastic	Clear	-	12V DC
	Pelco	**FD2-DV10-6X**	0614150	650 TVL	1/3 CCD	2.8 - 10.5mm	Colour 0.1 lux /Mono 0.04 lux	TDN	-	-	ABS Plastic	Clear	-	12V DC
	Pelco	**FD2-DWV10-6X**	0615850	650 TVL	1/3 CCD	2.8 - 10.5mm	Colour 0.13 lux / Mono 0.05 lux	TDN	✓	-	ABS Plastic	Clear	-	12V DC
	Samsung Techwin	**SCD-1080PD**	0655300	760H	1/3 CCD	2.8 - 10mm	0.15 lux	CM	-	-	White	Clear	White	12/24V
	Samsung Techwin	**SCD-2010F**	0544980	760H	1/3 CCD	3mm	0.04 lux	CM	-	-	Ivory	Clear	Black	12V DC
	Samsung Techwin	**SCD-2010**	0528900	760H	1/3 CCD	3mm	0.04 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12V DC
	Samsung Techwin	**SCD-2020**	0528910	760H	1/3 CCD	3.7mm	0.15 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12V DC
	Samsung Techwin	**SCD-2020R**	0544060	760H	1/3 CCD	3.6mm	0.15/0.0 lux	TDN	-	-	Ivory	Clear (Smoked option)	Black	12V DC
	Samsung Techwin	**SCD-2022R**	0584910	960H	1/3 CCD	3.8mm	0.15/0.0 lux	TDN	-	-	Ivory	Clear (Smoked option)	Black	12V DC
	Samsung Techwin	**SCD-2080E**	0551300	760H	1/3 CCD	2.8 - 10mm	0.15 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-2080EB**	0553460	760H	1/3 CCD	2.8 - 10mm	0.15 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-2080**	0529070	760H	1/3 CCD	2.8 - 10mm	0.15/0.001 lux	TDN	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-2080R**	0549530	760H	1/3 CCD	2.8 - 10mm	0.15/0.0 lux	TDN	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-2082**	0691770	960H	1/3 CCD	2.8 - 10mm	0.1 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-3080**	0542570	760H	1/3 CCD	2.8 - 11mm	0.3/0.001 lux	TDN	54dB	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-3083**	0698310	960H	1/3 CCD	3 - 8.5mm MVF	0.1/0.01 lux	TDN	54dB	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-5080**	0738390	1280H	1/3 CMOS	3 - 10mm	0.05 lux	CM	-	-	Ivory	Clear (Smoked option)	Black	12/24V
	Samsung Techwin	**SCD-5080R**	0738400	1280H	1/3 CMOS	3 - 10mm	0.05/0.0 lux	TDN	120dB	-	Ivory	Clear (Smoked option)	Black	12/24V
A	Samsung Techwin	**SCD-5083**	0738410	1280H	1/3 CMOS	2.8 - 10mm	0.03/0.003 lux	TDN	120dB	-	Ivory	Clear (Smoked option)	Black	12/24V
	Vista	**VFD28V12CM760H-WCB**	0480640	760H	1/3 CCD	2.8 - 12mm	0.2 lux @F1.4	CM	D-WDR	-	White	Clear	Black	12V DC
B	Vista	**VFD28V12CM760H-BCB**	0497760	760H	1/3 CCD	2.8 - 12mm	0.2 lux @F1.4	CM	D-WDR	-	Black	Clear	Black	12V DC
	Vista	**VFD28V12CM760H-BSB**	0497770	760H	1/3 CCD	2.8 - 12mm	0.2 lux @F1.4	CM	D-WDR	-	Black	Smoked	Black	12V DC
	Vista	**VFD28V12CM760H-WCW**	0497780	760H	1/3 CCD	2.8 - 12mm	0.2 lux @F1.4	CM	D-WDR	-	White	Clear	White	12V DC
C	Vista	**VFD28V12CM960H-BCB**	0497790	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	Black	Clear	Black	12V DC
	Vista	**VFD28V12CM960H-BSB**	0497800	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	Black	Smoked	Black	12V DC
	Vista	**VFD28V12CM960H-WCHRB**	0497810	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	White	Chrome	Black	12V DC
	Vista	**VFD28V12CM960H-WCW**	0497820	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	White	Clear	White	12V DC
	Vista	**VFD28V12CM960H-WSB**	0497830	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	White	Smoked	Black	12V DC
	Vista	**VFD28V12CM960HU-BCB**	0497840	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	Black	Clear	Black	12V DC
	Vista	**VFD28V12CM960HU-BSB**	0497850	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	Black	Smoked	Black	12V DC
	Vista	**VFD28V12CM960HU-WCW**	0497860	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	White	Clear	White	12V DC
	Vista	**VFD28V12CM960HU-WSB**	0497870	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	White	Smoked	Black	12V DC
	Vista	**VFD28V12DN960H-BCB**	0497880	960H	1/3 CCD	2.8 - 12mm	0.25 lux/0.02 lux @F1.4	TDN	D-WDR	-	Black	Clear	Black	12V DC
	Vista	**VFD28V12DN960H-WCW**	0497890	960H	1/3 CCD	2.8 - 12mm	0.25 lux/0.02 lux @F1.4	TDN	D-WDR	-	White	Clear	White	12V DC
D	Vista	**VFDA28V12CM960H24-BSB**	0498100	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	Black	Smoked	Black	12/24V
	Vista	**VFDA28V12CM960H24-WCW**	0498110	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	White	Clear	White	12/24V
	Vista	**VFDA28V12CM960H24-WCB**	0498650	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	White	Clear	Black	12/24V
	Vista	**VFDA28V12CM960HU24-BSB**	0498120	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	Black	Smoked	Black	12/24V
	Vista	**VFDA28V12CM960HU24-WCW**	0498130	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	White	Clear	White	12/24V
	Xeno	**XDC28V12CM700BCB**	0658420	700 TVL	1/3 CCD	2.8 - 12mm	0.01 lux @ F1.4	CM	D-WDR	-	Black	Clear	Black	12V DC
	Xeno	**XDC28V12CM700BSB**	0658430	700 TVL	1/3 CCD	2.8 - 12mm	0.01 lux @ F1.4	CM	D-WDR	-	Black	Smoked	Black	12V DC
	Xeno	**XDC28V12CM700WCW**	0658440	700 TVL	1/3 CCD	2.8 - 12mm	0.01 lux @ F1.4	CM	D-WDR	-	White	Clear	White	12V DC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Samsung Techwin SCD-5083

- High resolution of 1000 TVL 1280H
- 2.8-10.5mm, 120dB WDR
- 0.03 lux 50IRE, SSNRIV
- Video Analytics (fixed/moved, fence, tracking, detection, counting, tampering)
- Privacy zones 24 zones (4 point polygonal)
- OSD menu access via coaxial telemetry, IR LED option

SAMSUNG TECHWIN

B Vista VFD28V12CM760H-BCB

- 760H (600 TVL) resolution
- 1/3" CCD
- 0.2 lux @ F1.4
- Colour/mono operation
- OSD with D-WDR, 2D-DNR, AGC, BLC, HBLC (peak white inversion)
- 8 privacy zones

VISTA
Flexibility by Design™

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

C Vista VFD28V12CM960H-BCB

The VFD 960H range all offer outstanding image quality, based on 960H technology to provide class leading 700 TVL colour and monochrome images, which deliver a 25% increase in recorded information when used with a 960H DVR. The internal tactile switch provides access to the OSD for easy camera set-up, with 2DNR & D-WDR (ATR), BLC and Peak White Inversion ensuring that a majority of lighting conditions can be resolved. The inclusion of 8 privacy zones, which can be either colour or mosaic, ensures the privacy of the areas masked. 'U' models include an NVT compatible passive UTP balun, allowing the camera to work on structured cabling networks. The VFD offers a choice of black or white body, optically correct smoked, clear and chrome bubbles and with common aesthetics across the range there is a VFD available for any aesthetic or specification requirement.

- 960H (700 TVL) resolution
- 2.8-12mm varifocal lens
- Colour/mono & true day/night options
- Advanced processing via OSD
- 'U' models have UTP passive balun
- Variety of liner, bubble and case colour options

VISTA
Flexibility by Design™

HD 960H

D Vista VFDA28V12CM960H24-BSB

The VFDA 960H range all offer outstanding image quality, based on 960H technology to provide class leading 700 TVL colour and monochrome images, which deliver a 25% increase in recorded information when used with a 960H DVR. The internal tactile switch provides access to the OSD for easy camera set-up, with 2DNR & D-WDR (ATR), BLC and Peak White Inversion ensuring that a majority of lighting conditions can be resolved. The inclusion of 8 privacy zones, which can be either colour or mosaic, ensures the privacy of the areas masked. 'U' models include an NVT compatible passive UTP balun, allowing the camera to work on structured cabling networks. The VFDA offers a choice of black or white body, optically correct smoked or clear bubbles and with common aesthetics across the range there is a VFDA available for any aesthetic or specification requirement.

- 960H (700 TVL) resolution
- 2.8-12mm varifocal lens
- Colour/mono & true day/night options
- Advanced processing via OSD
- 'U' models have UTP passive balun
- Variety of liner, bubble and case colour options
- 12/24V operation

VISTA
Flexibility by Design™

HD 960H

EXTERNAL STATIC DOMES

	Manufacturer	Part No	Quick Ref	Resolution (TVL)	Sensor	Lens	Sensitivity	Operation	WDR	UTP	IR range	IP rating	IK rating	Colour	Operating Temp	Power
	EXTERNAL STATIC DOMES															
	American Dynamics	**ADCA5DWOC4RP**	0657210	700	1/3 Sony Effio	2.8 - 10mm	0 with IR	TDN	-	-	-	IP66	-	RAL9003	-10 to + 50°C	12/24V
	American Dynamics	**ADCA3DWOC2P**	0658660	600	1/3 CCD	3 - 9mm	0.5 lux	SDN	✓	-	-	IP66	-	RAL9003	-10 to + 50°C	12/24V
	American Dynamics	**ADCA7DWOC4RP**	0626710	690	1/3 Pixim Seawolf	2.8 - 10mm	0 with IR	TDN	✓	-	-	IP66	-	RAL9003	-10 to + 50°C	12/24V
	Bosch	**VDI-244V03-1**	0698700	960H	1/3 CCD	2.8 - 10mm	0 lux	TDN	✓	-	20m	IP66	IK08	-	-30 to + 50°C	12/24V
	Bosch	**VDI-244V03-1H**	0698590	960H	1/3 CCD	2.8 - 10mm	0 lux	TDN	✓	-	20m	IP66	IK08	-	-30 to + 50°C	12/24V
	Bosch	**VDN-242V03-1**	0699240	960H	1/3 CCD	2.8 - 10.5mm	0.07 lux	TDN	✓	-	-	IP66	IK08	-	-10 to + 50°C	12/24V
	Bosch	**VDN-244V03-1**	0699010	960H	1/3 CCD	2.8 - 10mm	0.05 lux	TDN	✓	-	-	IP66	IK08	-	-30 to + 50°C	12/24V
	Bosch	**VDN-244V03-1H**	0659140	960H	1/3 CCD	2.8 - 10mm	0.05 lux	TDN	✓	-	-	IP66	IK08	-	-30 to + 50°C	12/24V
	Bosch	**VDC-242V03-1**	0659190	960H	1/3 CCD	2.8 - 10.5mm	0.12 lux	CM	-	-	-	IP66	IK08	-	-10 to + 50°C	12/24V
	Bosch	**VDN-5085-V311**	0697860	960H	1/3 CCD	2.8 - 10.5mm	0.03 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Bosch	**VDN-5085-V911**	0706450	960H	1/3 CCD	9 - 22mm	0.04 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Bosch	**VDN-5085-VA11**	0731640	960H	1/3 CCD	18 - 50mm	0.05 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Bosch	**VDN-5085-V311S**	0711810	960H	1/3 CCD	2.8 - 10.5mm	0.03 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Bosch	**VDN-5085-V911S**	0731650	960H	1/3 CCD	9 - 22mm	0.04 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Bosch	**VDN-5085-VA11S**	0711800	960H	1/3 CCD	18 - 50mm	0.05 lux	TDN	✓	-	-	IP66	IK10	RAL9010	-50 to + 55°C	12/24V
	Pelco	**FD5-DV10-6X**	0616600	650TVL	1/3 CCD	2.8 - 10.5mm	Col 0.1 lux / mono 0.04 lux	TDN	-	-	-	IP66	IK10	White	-30 to + 50°C	12/24V
	Pelco	**FD5-IRV10-6X**	0614210	650TVL	1/3 CCD	2.8 - 10.5mm	Col 0.1 lux / mono 0.0 lux	TDN	-	-	25m	IP66	IK10	White	-30 to + 50°C	12/24V
	Samsung Techwin	**SCV-2080P**	0598470	760H	1/3 CCD	2.8 - 10mm	0.15 / 0.001 lux	TDN	-	-	-	IP66	IK10	Ivory	-50 to +55°C	12/24V
	Samsung Techwin	**SCV-2080RP**	0529050	760H	1/3 CCD	2.8 - 10mm	0.15 / 0.0 lux	TDN	-	-	30m	IP66	IK10	Ivory	-10 to+55°C	12/24V
	Samsung Techwin	**SCV-2081RP**	0564290	760H	1/3 CCD	2.8 - 10mm	0.15 / 0.0 lux	TDN	-	-	20m	IP66	IK10	Ivory	-10 to+55°C	12/24V
	Samsung Techwin	**SCV-3080P**	0528750	760H	1/3 CCD	2.8 - 11mm	0.3 / 0.01 lux	TDN	✓	-	-	IP66	IK10	Ivory	-50 to +55°C	12/24V
	Samsung Techwin	**SCV-3082P**	0690370	960H	1/3 CCD	2.8 - 11mm	0.1 / 0.01 lux	TDN	✓	-	-	IP66	IK10	Ivory	-10 to +55°C	12/24V
	Samsung Techwin	**SCV-3083P**	0699720	960H	1/3 CCD	2.8 - 11mm	0.1 / 0.01 lux	TDN	✓	-	-	IP66	IK10	Ivory	-10 to +55°C	12/24V
	Samsung Techwin	**SCV-5080R**	0738420	1280H	1/3 CMOS	3 - 10mm	0.05 / 0.0 lux	TDN	120dB	-	30m	IP66	IK10	Ivory	-10 to +55°C	12/24V
	Samsung Techwin	**SCV-5083R**	0740810	1280H	1/3 CMOS	3 - 10mm	0.05 / 0.0 lux	TDN	120dB	-	30m	IP66	IK10	Ivory	-10 to +55°C	12/24V
A	Samsung Techwin	**SCV-5083**	0738440	1280H	1/3 CMOS	2.8 - 10.5mm	0.03 / 0.003 lux	TDN	120dB	-	-	IP66	IK10	Ivory	-10 to +55°C	12/24V
	Siemens	**CFVS1327-LP**	0738980	700TVL	960H	1/3	0.29 lux (colour)/ 0.21 lux (mono)	SDN, CM, TDN	-	-	-	-	IK10	Grey	-10 to +50°C	12V DC / 24V AC, 2,5 W
	Siemens	**CCPS1317-LP0IR**	0738990	700TVL	960H	1/3	0.53 lux (colour) / 0.43 lux (mono)	SDN, CM, TDN	✓	-	25m	-	-	Grey	-10 to +50°C	12V DC / 24V AC, 2,5 W
B	Vista	**VVRD28V12CM760H**	0497920	760H	1/3 CCD	2.8 - 12mm	0.2 lux @F1.4	CM	D-WDR	-	-	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12DNLED760H**	0497940	760H	1/3 CCD	2.8 - 12mm	0 lux	TDN	D-WDR	-	20m	IP66	IK10	RAL7035	-10 to +50°C	12/24V
C	Vista	**VVRD28V12CM960H**	0497950	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	-	-	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12CM960HU**	0497980	960H	1/3 CCD	2.8 - 12mm	0.25 lux @F1.4	CM	D-WDR	✓	-	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12DN960H**	0497960	960H	1/3 CCD	2.8 - 12mm	0.25 lux/0.02 lux @F1.4	TDN	D-WDR	-	-	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12DN960HU**	0497990	960H	1/3 CCD	2.8 - 12mm	0.25 lux/0.02 lux @F1.4	TDN	D-WDR	✓	-	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12DNLED960H**	0497970	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	D-WDR	-	20m	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Vista	**VVRD28V12DNLED960HU**	0498000	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	D-WDR	✓	20m	IP66	IK10	RAL7035	-10 to +50°C	12/24V
	Xeno	**XVD28V12CM700**	0666040	700 TVL	1/3 CCD	2.8 - 12mm	0.01 lux @F1.4	CM	D-WDR	-		IP65	-	Light Grey	-10 to +50°C	12/24V
	Xeno	**XVD28V12DNIR700**	0666030	700 TVL	1/3 CCD	2.8 - 12mm	0 lux	TDN	D-WDR	-	20m	IP65	-	Light Grey	-10 to +50°C	12/24V
D	Xeno	**XED28V12SDN700IR**	0498570	700 TVL	1/3 CCD	2.8 - 12mm	0 lux	SDN	D-WDR	-	20m	IP65	-	Dark Grey	-10 to +50°C	12/24V
E	Xeno	**XED28V12SDN700IRW**	0498580	700 TVL	1/3 CCD	2.8 - 12mm	0 lux	SDN	D-WDR	-	20m	IP65	-	White	-10 to +50°C	12/24V
F	Xeno	**XED28V12DN1M3IR**	0695740	800 TVL	1/2.7 CMOS	2.8 - 12mm	0 lux	TDN	D-WDR	-	20m	IP65	-	Dark Grey	-10 to +50°C	12/24V
G	Xeno	**XED28V12DN1M3IRW**	0695980	800 TVL	1/2.7 CMOS	2.8 - 12mm	0 lux	TDN	D-WDR	-	20m	IP65	-	White	-10 to +50°C	12/24V

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

SAMSUNG

SAMSUNG TECHWIN

A Samsung Techwin SCV-5083

- High resolution of 1000 TVL 1280H
- 2.8-10.5mm, 120dB WDR
- 0.03 lux 50IRE, SSNRIV
- Video Analytics (fixed/moved, fence, tracking, detection, counting, tampering)
- Privacy zones 24 zones (4 point polygonal)
- Vandal resistant IK10/IP66, IR LED option

VISTA
Flexibility by Design™

B Vista VVRD28V12CM760H

- 760H (600 TVL) resolution
- 2.8-12mm varifocal lens
- Colour/mono operation
- Advanced processing via OSD
- IP66
- Built to IK10 (EN62262)
- 12/24V operation

xeno

D Xeno XED28V12SDN700IR

- 700 TVL resolution
- Up to 20m IR range
- IP66 housing
- 2.8-12mm varifocal lens
- 12V DC operation
- Privacy zones and motion detection
- Grey housing

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

C Vista VVRD 960H series

The VVRD 960H range all offer outstanding image quality, based on 960H technology to provide class leading 700 TVL colour and monochrome images, which deliver a 25% increase in recorded information when used with a 960H DVR. The internal tactile switch provides access to the OSD for easy camera set-up, with 2DNR & D-WDR (ATR), BLC and Peak White Inversion ensuring that a majority of lighting conditions can be resolved. The inclusion of 8 privacy zones, which can be either colour or mosaic, ensures the privacy of the areas masked. 'U' models include an NVT compatible passive UTP balun, allowing the camera to work on structured cabling networks. Built to IK10 (EN62262) and with an IP66 rating, this makes the VVRD cameras suitable for internal, external and hostile environments.

- 960H (700 TVL) resolution
- 2.8-12mm varifocal lens
- Colour/mono (CM), true day/night (TDN) and day/night LED (DNLED) options
- Up to 20m IR illumination on DNLED model
- Advanced processing via OSD
- IP66
- Built to IK10 (EN62262)
- 12/24V operation

VISTA
Flexibility by Design™

HD 960H

XENO

E Xeno XED28V12SDN700IRW

- 700 TVL resolution
- Up to 20m IR range
- IP66 housing
- 2.8-12mm varifocal lens
- 12V DC operation
- Privacy zones and motion detection
- White housing

F Xeno XED28V12DN1M3IR

XENO

- 800 TVL resolution
- Up to 30m IR range
- IP65 housing
- 2.8-12mm 2 Megapixel varifocal lens
- 12V DC operation
- Privacy zones and motion detection
- Grey housing

G Xeno XED28V12DN1M3IRW

XENO

- 800 TVL resolution
- Up to 30m IR range
- IP65 housing
- 2.8-12mm 2 Megapixel varifocal lens
- 12V DC operation
- Privacy zones and motion detection
- White housing

BRACKETS
See page 102

POWER SUPPLIES
See page 254

STATIC DOME ACCESSORIES

Manufacturer	Part No	Quick Ref	Product Description
STATIC DOME ACCESSORIES			
American Dynamics	**ADCIM6WALLWK**	0584000	Illustra 600 series wall mount indoor/outdoor
American Dynamics	**ADLOMARM**	0618790	Goose neck wall bracket for use with pendant cap white ADCIM4PENDCAPW
American Dynamics	**ADCIM4PENDCAPW**	0607660	Pendant cap mount white, use with ADLOMARM
Bosch	**VDA-WMT-AODOME**	0654950	ADV line outdoor wall mount
Bosch	**VDA-445SMB**	0368690	Surface mount box indoor
Bosch	**VDA-455SMB**	0339410	Surface mount box impact
Bosch	**VDA-CMT-DOME**	0559620	Universal corner mount for flexidome analogue and NDC/NDN H.264 IP cameras
Bosch	**VDA-PMT-DOME**	0559610	Universal pendant mount for flexidome analogue and NDC/NDN H.264 IP cameras
Bosch	**VDA-WMT-DOME**	0557340	Universal wall mount for flexidome analogue and NDC/NDN H.264 IP cameras
Pelco	**WMVE-SR**	0557610	Wall mount for Sarix IP dome
Samsung Techwin	**SBP-301HM2**	0695830	Hanging mount adaptor type 2
Samsung Techwin	**SBP-301HM3**	0584930	Hanging mount adaptor type 3
Vista	**VFDAS-IWMB/B**	0656120	Internal wall mount bracket for VFDA/VK2-VFD, black
Vista	**VFDAS-IWMB/W**	0656110	Internal wall mount bracket for VFDA/VK2-VFD, white
Vista	**VFDS-IPMA**	0300860	Internal pole mount adaptor for VFD, RAL7035
Vista	**VFDS-IPMB/W**	0155090	Internal pendant mount bracket 1.5m for VFD, white
Vista	**VFDS-IWMB/B**	0444940	Internal pendant mount bracket 1.5m for VFD, black
Vista	**VRD-EPMB**	0498940	External pendant mount bracket 0.3m for VVRD/VPL, RAL7035
Vista	**VRD-EWMB**	0498930	External wall mount bracket for VVRD/VPL, RAL7035
Vista	**VRD-TM**	0498950	Tower mount swan neck for VVRD/VPL, RAL7035
Vista	**VRD-TMJB**	0690220	Tower mount swan neck with junction box for VVRD/VPL, RAL7035
Vista	**VVRD-EPMB/B**	0342620	External pendant mount bracket for VVRD, black
Vista	**VVRD-EWMB1**	0479030	External wall mount low profile bracket for VVRD/VPL, RAL7035
Vista	**VDM-2MP**	0276240	2m pole, RAL7035
Vista	**VDM-C**	0276250	Pole coupler, RAL7035
Vista	**VDM-ECMA**	0457230	External corner mount adaptor, RAL7035
Vista	**VDM-EPMAg**	0457240	External pole mount adaptor, RAL7035
Vista	**VDM-IPMCA**	0276270	Internal pole mount ceiling adaptor, RAL7035
Vista	**VDM-IPMGA**	0291100	Internal pole mount girder adaptor, RAL7035
Vista	**VFD/VVRD service lead**	0498370	Camera service lead
Vista	**VVRD/DNLED IR Shroud**	0496380	Black rubber IR lens shroud for VVRD580/700
Vista	**VVRD760H/960H IR Shroud**	0480790	Black rubber IR lens shroud for VVRD760H/960H
Vista	**VVRD3AHTR**	0297170	Heater for VVRD580/700
Vista	**VVRD-B-CLR**	0095520	Clear bubble for VVRD580/700
Vista	**VVRD-B-SMO**	0496350	Smoked bubble for VVRD580/700
Vista	**VVRD-C-B**	0499120	Clear bubble for VVRD760H/960H
Vista	**VVRD-S-B**	0499130	Smoked bubble for VVRD760H/960H
Vista	**VZM22/REM**	0350110	Engineer set up tool for VZM22 models
Xeno	**XEDSPACER-Grey**	0657050	Spacer for XED camera, grey
Xeno	**XEDSPACER-White**	0657060	Spacer for XED camera, white

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

SAMSUNG TECHWIN

BEYOND series

Beyond Your Expectation

Above and beyond - introducing the first complete range of cameras and DVRs with 1000 TV lines.

Upgrade and expand your analogue (PAL) CCTV system with 1280H technology cameras offering outstanding image quality and technically advanced features:

- Enhanced Wide Dynamic Range for even greater clarity
- Unique SSNR IV noise reduction technology
- Easy to configure and even easier to operate

Visit www.samsungsecurity.co.uk/beyondseries and book your demonstration to discover the best in analogue.

BEYOND series
Beyond Your Expectation

www.samsungsecurity.co.uk

Beyond Series - Analogue performance you would never have expected.

BULLET CAMERAS

	Manufacturer	Part No	Quick Ref	Resolution	Sensor	Lens	Sensitivity	Operation	Mounting joint	WDR	IR range	BS8418:2010	IP rating	IK rating	Colour	Operating Temp	Power
	BULLET CAMERAS																
	American Dynamics	**ADCA3BW03RP**	0629070	600 TVL	1/3	9 - 22mm	0 with IR	SDN	2 axis	✓	50m	-	IP66	-	Silver	-10 to +50°C	12V DC
	American Dynamics	**ADCA3BW07RP**	0629080	600 TVL	1/3	3.8 - 9.6mm	0 with IR	SDN	2 axis	✓	50m	-	IP66	-	Silver	-10 to +50°C	12V DC
	American Dynamics	**ADCA5BW03RP**	0629050	700 TVL	1/3 Sony Effio	9 - 22mm	0 with IR	TDN	2 axis	✓	50m	-	IP66	-	Silver	-10 to +50°C	12/24V
	American Dynamics	**ADCA5BW04RP**	0629060	700 TVL	1/3 Sony Effio	2.8 - 10mm	0 with IR	TDN	2 axis	✓	50m	-	IP66	-	Silver	-10 to +50°C	12/24V
	Bosch	**VTI-216V04-1**	0569690	520 TVL	1/3 CCD	3.8 - 9.5mm	0 lux	TDN	Pan/Tilt Bracket Included	-	20m	-	IP67	-	Anodised Silver	-30 to +55°C	12V DC / 24V AC
	Bosch	**VTC-206F03-3**	0571710	960H	1/3 CCD	3.6mm	0.1 lux	-	-	-	-	-	-	-	-	-	-
	Bosch	**VTI-2075-F311**	0731660	960H	1/3 CCD	3.6mm	0 lux	TDN	-	-	15m	-	IP67	-	Black	-10 to +50°C	12V DC
	Bosch	**VTN-4075-V311**	0731670	960H	1/3 CCD	2.8 - 12mm	0.02 lux	TDN	-	-	-	-	IP66	IK08	9017	-30 to +50°C	12V DC
	Bosch	**VTI-4075-V311**	0705060	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	-	-	30m	-	IP66	IK08	9017	-30 to +50°C	12V DC / 24V AC
	Bosch	**VTI-4075-V911**	0731680	960H	1/3 CCD	9 -2 2mm	0 lux	TDN	-	-	60m	-	IP66	IK08	9017	-30 to +50°C	12V DC / 24V AC
	Bosch	**VTI-4085-V511**	0704740	960H	1/3 CCD	5 - 50mm	0 lux	TDN	-	✓	100m	-	IP66	IK08	9017	-30 to +50°C	12V DC / 24V AC
	Pelco	**BU4-IRF4-4X**	0614070	540 TVL	1/3 CCD	3.6mm	Colour: 0.2 lux / mono (with IR) 0.0 lux	TDN	3 axis	-	15m	-	IP66	IK08	9017	-30 to +50°C	12V DC / 24V AC
	Pelco	**BU6-IRWV50-6X**	0614090	650	1/3 CCD	6mm - 50mm	Colour: 0.11 lux / mono (with IR) 0.0 lux	TDN	3 axis	✓	40m	-	IP66	IK10	Silver	-30 to +50°C	12V DC
	Pelco	**BU5-IRV12-6X**	0614030	650	1/3 CCD	2.8 - 12mm	Colour: 0.13 lux / mono (with IR) 0.0 lux	TDN	3 axis	-	25m	-	IP66	IK10	Silver	-30 to +50°C	12V DC
	Samsung Techwin	**SCO-2080**	0528950	760H	1/3 CCD	2.8 - 10mm	0.15/0.001 lux	TDN	3 axis	-	-	-	IP66	IK10	Dark Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCO-2080R**	0528960	760H	1/3 CCD	2.8 - 10mm	0.15/0.001 lux	TDN	3 axis	-	50m	-	IP66	IK10	Dark Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCO-2120R**	0535000	760H	1/4 CCD	3.94 - 46.05mm	0.2/0.001 lux	TDN	3 axis	-	70m	-	IP66	IK10	Dark Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCO-2040R**	0740820	760H	1/3 CCD	8mm	0.15/0.001 lux	TDN	3 axis	-	25m	-	IP66	IK10	Dark Grey	-10 to +55°C	12V DC
A	Samsung Techwin	**SCO-5083R**	0740830	1280H	1/3 CMOS	3 - 10mm	0.05/0.001 lux	TDN	3 axis	120dB	50m	-	IP66	IK10	Dark Grey	-10 to +55°C	12/24V
	Vista	**VBC301-960H**	0480740	960H	1/3 CCD	3.6mm	0 lux	CM	3 axis		20m	-	IP67	-	Black	-10 to +50°C	12V DC
	Vista	**VBC400-960H**	0480750	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	3 axis		30m	-	IP67	-	Black	-10 to +50°C	12V DC
	Vista	**VBC28V12DN960H**	0479740	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	2 axis	D-WDR	50m	-	IP66	IK10	Dark Grey	-10 to +50°C	12/24V
	Vista	**VBC5V50DN960H**	0479730	960H	1/3 CCD	5 - 50mm	0 lux	TDN	2 axis	D-WDR	50m	-	IP66	IK10	Dark Grey	-10 to +50°C	12/24V
	Vista	**VBC502-960H**	0480160	960H	1/3 CCD	2.8 - 12mm	0 lux	TDN	3 axis	D-WDR	>50m	✓	IP66	-	Black	-10 to +50°C	12/24V
	Vista	**VBC503-960H**	0480170	960H	1/3 CCD	5 - 50mm	0 lux	TDN	3 axis	D-WDR	>50m	✓	IP66	-	Black	-10 to +50°C	12/24V
B	Xeno	**XBC28V12SDN700IR**	0498590	700 TVL	1/3 CCD	2.8 - 12mm	0 lux	SDN	2 axis	D-WDR	30m	-	IP66	-	Dark Grey	-10 to +50°C	12V DC
	Xeno	**XBC28V12SDN700IRLR**	0680470	700 TVL	1/3 CCD	2.8 - 12mm	0 lux	SDN	2 axis	D-WDR	60m	-	IP66	-	Dark Grey	-10 to +50°C	12V DC
C	Xeno	**XBC28V12DN1M3IR**	0695770	800 TVL	1/2.7 CMOS	2.8 - 12mm	0 lux	TDN	2 axis	D-WDR	30m	-	IP66	-	Dark Grey	-10 to +50°C	12V DC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Customer visits with fully equipped Vista van

Remove any uncertainty in customers' minds by showing them exactly how products will function at their site. A well proven method of closing sales, the Vista van travels the length and breadth of the UK to bring CCTV to your customer's doors.

POWER SUPPLIES
See page 254

CABLES
See page 262

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

SAMSUNG TECHWIN

A Samsung Techwin SCO-5083R

- High resolution of 1000 TVL 1280H
- 2.8-10.5mm, 120dB WDR
- 0.03 lux 50IRE, SSNRIV
- Video Analytics (fixed/moved, fence, tracking, detection, counting, tampering)
- Privacy zones 24 zones (4 point polygonal)
- OSD menu access via coaxial telemetry, IR LED option

B Xeno XBC28V12SDN700IR

- 700 TVL resolution
- Up to 30m IR range
- IP66 housing
- 2.8-12mm varifocal lens
- 12V DC operation
- Privacy zones and motion detection

C Xeno XBC28V12DN1M3IR

- 800 TVL resolution
- Up to 40m IR range
- IP65 housing
- 2.8-12mm 2 Megapixel varifocal lens
- 12V DC operation
- Privacy zones and motion detection

Vista VBC series

The Vista Bullet Camera range (VBC), all offer outstanding image quality, based on 960H technology to provide class leading 700 TVL colour and monochrome images, which deliver a 25% increase in recorded information when used with a 960H DVR. All VBC cameras come with integral 850nm IR LEDs for illumination, negating the need for additional lighting. An internal tactile switch on a majority of the range provides access to the OSD for easy camera set-up. With 2DNR & D-WDR (ATR), BLC and Peak White Inversion ensures that a majority of lighting conditions can be resolved. The inclusion of 8 privacy zones, which can be either colour or mosaic, ensures the privacy of the areas masked. With an IP66 rating, it makes the VBC range suitable for both internal and external applications.

- 960H (700 TVL) resolution
- 2.8-12mm & 5-50mm lens options
- Integral IR LEDs for 0 lux applications up to 50m
- Advanced processing with OSD on majority of models
- IP66
- Outboard IR LEDs on VBC-502 & VBC-503 models for use in BS8418:2010 systems

Flexibility by Design™

BOX CAMERAS

	Manufacturer	Part No	Quick Ref	Resolution	Sensor	Sensitivity	Operation	Lens mount	Back Focus	Auto Iris	Direct Drive	WDR	Set-up	RS485	UTP	Power
	BOX CAMERAS															
	American Dynamics	**ADCA5XP**	0657270	700TVL	1/3 Sony Effio	0.03 lux @ F1.2	TDN	C/CS	✓	DC Auto	✓	✓	OSD	-	-	12/24
	Bosch	**LTC 0630/51**	0503630	760H	1/2 CCD	0.04 lux	TDN	CS	✓	✓	✓	✓	OSD	-	-	240V AC
	Bosch	**LTC 0630/11**	0503620	760H	1/2 CCD	0.04 lux	TDN	CS	✓	✓	✓	✓	OSD	-	-	12V DC / 24V AC
	Bosch	**VPC-1055-FZ10**	0731690	960H	1/4 CCD	0.3 lux	CM	-	-	-	-	-	-	-	-	12V DC
	Bosch	**VBC-4075-C11**	0701290	960H	1/3"CCD	0.1 lux	CM	CS	✓	✓	✓	-	OSD	-	-	12V DC / 24V AC
	Bosch	**VBC-4075-C51**	0711580	960H	1/3 CCD	0.1 lux	CM	CS	✓	✓	✓	-	OSD	-	-	240V AC
	Bosch	**VBN-4075-C11**	0706090	960H	1/3 CCD	0.02 lux	TDN	CS	✓	✓	✓	-	OSD	-	-	12V DC / 24V AC
	Bosch	**VBN-4075-C51**	0702630	960H	1/3 CCD	0.02 lux	TDN	CS	✓	✓	✓	-	OSD	-	-	240VAC
	Bosch	**VBN-5085-C11**	0700830	960H	1/3 CCD	0.02 lux	TDN	CS	✓	✓	✓	✓	OSD	-	-	12V DC / 24V AC
	Bosch	**VBN-5085-C51**	0708940	960H	1/3 CCD	0.02 lux	TDN	CS	✓	✓	✓	✓	OSD	-	-	240V AC
	JVC Professional	**TK-WD9602E**	0713260	690HTVL	1/3 CMOS	0.25 lux colour, 0.15 lux bw (25% F1.2)	SDN	CS	✓	-	-	✓	OSD	-	-	12V DC / 24V AC
	Pelco	**C20-CH-6X**	0693590	650 TVL	1/4 CCD	0.25 lux @ F1.2. 30 IRE	TDN	CS	-	✓	✓	-	OSD	✓	-	24V
	Pelco	**C20-DN-6X**	0610600	650 TVL	1/4 CCD	Colour: 0.13 lux, Mono: 0.05 lux	TDN	CS	-	✓	✓	-	OSD	✓	-	24V
	Pelco	**C20-DW-6X**	0611360	650 TVL	1/4 CCD	Colour: 0.13 lux, Mono: 0.05 lux	TDN	CS	-	✓	✓	✓	OSD	✓	-	24V
	Samsung Techwin	**SCB-2000**	0542580	760H	1/3 CCD	0.05 lux	CM	C/CS	✓	✓	✓	-	OSD	Coaxial	-	12/24V
	Samsung Techwin	**SCB-2000H**	0544120	760H	1/3 CCD	0.05 lux	CM	C/CS	✓	✓	✓	-	OSD	Coaxial	-	230V
	Samsung Techwin	**SCB-2001**	0542590	760H	1/3 CCD	0.05 / 0.01 lux	TDN	C/CS	✓	✓	✓	-	OSD	Coaxial	-	12/24V
	Samsung Techwin	**SCB-2001H**	0546290	760H	1/3 CCD	0.05 / 0.01 lux	TDN	C/CS	✓	✓	✓	-	OSD	Coaxial	-	230V
	Samsung Techwin	**SCB-2004**	0696080	760H	1/3 CCD	0.1 lux	TDN	C/CS	✓	✓	✓	-	OSD	Coaxial	-	12/24V
	Samsung Techwin	**SCB-3001**	0529510	760H	1/3 CCD	0.1 / 0.01 lux	TDN	C/CS	✓	✓	✓	✓	OSD	✓+ Coax	-	12/24V
	Samsung Techwin	**SCB-3001H**	0542080	760H	1/3 CCD	0.1 / 0.01 lux	TDN	C/CS	✓	✓	✓	✓	OSD	✓+ Coax	-	230V
	Samsung Techwin	**SCB-3003**	0699260	960H	1/3 CCD	0.1 / 0.01 lux	TDN	C/CS	Auto	✓	✓	✓	OSD	✓+ Coax	-	12/24V
	Samsung Techwin	**SCB-4000**	0544150	760H	1/2 CCD	0.1 / 0.01 lux	TDN	C/CS	✓	✓	✓	-	OSD	✓+ Coax	-	12/24V
	Samsung Techwin	**SCB-4000H**	0615650	760H	1/2 CCD	0.1 / 0.01 lux	TDN	C/CS	✓	✓	✓	-	OSD	✓+ Coax	-	230V
	Samsung Techwin	**SCB-5000**	0738460	1280H	1/3 CMOS	0.03 lux	CM	C/CS	✓	-	✓	-	OSD	Coaxial	-	12/24V
A	Samsung Techwin	**SCB-5003**	0738470	1280H	1/3 CMOS	0.03 / 0.01 lux	TDN	C/CS	✓	-	✓	✓	OSD	✓+ Coax	-	12/24V
	Samsung Techwin	**SCB-5005**	0740840	1280H	1/3 CMOS	0.03 / 0.01 lux	TDN	C/CS	Auto	-	✓	✓	OSD	✓+ Coax	-	12/24V
	Siemens	**CCWS1355-LP**	0739000	960H	1/3	F1.2 @ 50IRE, Day 0.1 lux / Night 0.08 lux	TDN	C/CS	✓	✓	-	✓	OSD	-	-	12V DC & 24V AC
	Siemens	**CCWS1355-MP**	0739010	960H	1/3	F1.2 @ 50IRE, Day 0.1 lux / Night 0.08 lux	TDN	C/CS	✓	✓	-	✓	OSD	-	-	AC90V-260V
B	Vista	**VPC5-700CME**	0479140	960H	1/3 CCD	0.15 lux @ F1.2	CM	C/CS	-	✓	✓	D-WDR	OSD	-	-	230V
	Vista	**VPC5-704CME**	0478850	960H	1/3 CCD	0.15 lux @ F1.2	CM	C/CS	-	✓	✓	D-WDR	OSD	-	-	12/24V
	Vista	**VPC5-700DNE**	0479150	960H	1/3 CCD	0.15 lux / 0.01 lux @ F1.2	TDN	C/CS	-	✓	✓	D-WDR	OSD	-	-	230V
	Vista	**VPC5-704DNE**	0478860	960H	1/3 CCD	0.15 lux / 0.01 lux @ F1.2	TDN	C/CS	-	✓	✓	D-WDR	OSD	-	-	12/24V
C	Vista	**VPC5-700DNS**	0474290	960H	1/3 CCD	0.1 lux / 0.01 lux / 0.0001 lux @ F1.2	TDN	C/CS	-	✓	✓	✓	OSD	✓	✓	230V
	Vista	**VPC5-704DNS**	0474280	960H	1/3 CCD	0.1 lux / 0.01 lux / 0.0001 lux @ F1.2	TDN	C/CS	-	✓	✓	✓	OSD	✓	✓	12/24V
	Xeno	**XC700CM**	0498490	700 TVL	1/3 CCD	0.1 lux @ F1.2 (colour)	CM	C/CS	-	✓	✓	D-WDR	OSD	-	-	12/24V
	Xeno	**XC700DN**	0498500	700 TVL	1/3 CCD	0.1 lux @ F1.2 (colour)	TDN	C/CS	-	✓	✓	D-WDR	OSD	-	-	12/24V

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

SAMSUNG

SAMSUNG TECHWIN

A Samsung Techwin SCB-5003

- High resolution of 1000 TVL 1280H
- 120dB WDR
- 0.03 lux 50IRE, SSNRIV
- Video Analytics (Fixed/Moved, Fence, Tracking, Detection, Counting, Tampering)
- Privacy zones 24 zones (4 point polygonal)
- OSD menu access via coaxial telemetry

B Vista VPC5-700CME

VISTA Flexibility by Design™ HD 960H

- 960H (700 TVL) resolution
- 1/3" CS mount
- 0.15 lux @ F1.2
- Colour / mono operation
- OSD with D-WDR (ATR), 2D-DNR, AGC, BLC,
- HLC (Peak White Inversion)
- Low voltage and mains options

C Vista VPC5-700DNS

VISTA Flexibility by Design™ HD 960H

- 960H (700 TVL) resolution
- 1/3" CS mount
- 0.15/0.01/0.0001 lux @ F1.2
- True Day/Night operation
- OSD with analytics, WDR, 2D/3DNR, sense-up, RS485 control
- Low voltage and mains options

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

	Manufacturer	Part No	Quick Ref	Product Description
	CCTV LENSES			
	American Dynamics	**LIRC1040CS**	0612140	1/3", CS, 10 - 40mm, F1.4, VF, DD F1.6 - 360, DD, IR corrected
	Bosch	**LTC3664/31**	0598900	1/3", CS, 3 - 8mm, F1.0 - 360, DD, IR corrected
	Bosch	**LTC 3764/20**	0315550	1/2", C mount, 4 - 12mm, F1.2 - 360, DD
	Bosch	**LTC 3774/30**	0319430	1/2", C mount, 10 - 40mm, F1.4 - 360, DD
	Bosch	**LVF-4000C-D0550**	0703940	1/3", CS, 5 - 50mm, F1.4, DD, VF, IR corrected
	Bosch	**LVF-4000C-D2812**	0731700	1/3", CS, 2.8 - 12mm, F1.3, DD, VF, IR corrected
	Bosch	**LVF-5000C-D0550**	0704410	1/3", CS, 5-50mm, F1.6, DD, VF, IR corrected
	Bosch	**LVF-5000C-D2811**	0695210	1/3", CS, 2.8 - 11mm, F1.3, DD, VF, IR corrected
	Computar	**HG2Z4516AFCS-4PA**	0024670	1/2", CS, 4.5 - 10.0mm, F1.6 - 360, AI
	Computar	**HG3Z1014AFCS**	0171960	1/2", CS, 10.0 - 30.0mm, F1.4 - 360 linear, AI
	Computar	**HG3Z4512AFCS-IR**	0239420	1/2", CS, 4.5 - 12.5mm, F1.2-360, VF, AI, IR corrected
	Computar	**TG2314AFCS-3**	0111800	1/3", CS, 2.3mm, F1.4 - 360, fixed focal, AI
	Computar	**TG2616AFCS-4**	0024260	1/3", CS, 2.6mm, F1.6 - 360, AI
	Computar	**TG10Z0513AFCS-2**	0106040	1/3", CS, 5.0 - 50mm, F1.3 - 360, AI
	Computar	**TG2Z1816AFCS**	0029100	1/3", CS, 1.8 - 3.6mm, F1.6 - 360, AI
	Computar	**TG3Z3510AFCS**	0106010	1/3", CS, 3.5 - 10.5mm, F1.0 - 360, AI
	Computar	**TG3Z3510AFCS-IR**	0209840	1/3", CS, 3.5 - 10.5mm, F1.0 - 360, aspherical, VF, AI, IR corrected
	Computar	**TG4Z2813AFCS-IR**	0169310	1/3", CS, 2.8 - 12mm, F1.3-360, AI
	Computar	**TG5Z8513AFCS-IR**	0239390	1/3", CS, 8.5 - 40.0mm, F1.3 - 360, IR corrected AI
	Computar	**AG4Z1214FCS-MPIR**	0613870	1/2.7" CS, 12.5 - 50mm, F1.4, VF, DD, 3MP IR corrected
	Computar	**HG2Z4516FCS-2**	0024680	1/2", CS, 4.5 - 10.0mm, F1.6 - 360, DD, plugged
	Computar	**HG3Z1014FCS**	0164170	1/2", CS, 10.0 - 30.0mm, F1.4 - 360 linear, DD, plugged
	Computar	**HG3Z4512FCS-IR**	0239410	1/2", CS, 4.5 - 12.5mm, F1.2 - 360, IR corrected DD, plugged
	Computar	**HG3Z4512FCS-IR-31**	0454970	1/2" varifocal DD lens 4.5 - 12mm
	Computar	**TG0412FCS**	0023950	1/3", CS, 4.0mm, F1.2 - 360, DD, plugged
	Computar	**TG0812FCS**	0023960	1/3", CS, 8.0mm, F1.2 - 360, DD, plugged
	Computar	**TG2616FCS-4**	0025710	1/3", CS, 2.6mm, F1.6 - 360, DD, plugged
	Pelco	**13VDIR2.8-11**	0598400	1/3", CS, 2.8 - 11mm, DD, plugged, IR corrected
	Pelco	**13VDIR3-8.5**	0736990	1/3", CS, 3.8 - 5mm, DD, plugged, IR corrected
	Pelco	**13VDIR7.5-50**	0437910	1/3", CS, 7.5 - 50mm, DD, plugged, IR corrected
	Siemens	**CLVD1316/3-8**	0581730	1/3", CS, 3 - 8mm, F1.4 DD, plugged
	Vista	**VDD10V4014IRP**	0098690	1/2", C, 10 - 40mm, F1.4 - 360, IR corrected, 10cm plugged lead
	Vista	**VDD20V10016P**	0253100	1/3", CS, 20 - 100mm, F1.6 - 360, 10cm plugged lead
	Vista	**VDD24V612P-MP**	0471010	1/3", CS, 2.4 - 6mm, F1.2 - 360, 22cm plugged lead, megapixel
	Vista	**VDD28V111IRP**	0095160	1/3", CS, 2.8 - 11mm, F1.4 - 360, IR corrected, 10cm plugged lead
	Vista	**VDD28V1213IRP-HR**	0471000	1/3", CS, 2.8 - 12mm, F1.3 - 360, IR corrected, 23cm plugged lead, hi-res
	Vista	**VDD28V1214PU**	0346450	1/3", CS, 2.8 - 12mm, F1.4 - 360, 10cm plugged lead
	Vista	**VDD29V821P**	0442400	1/3", CS, 2.9 - 8.2mm, F1.0 - 360, 15cm plugged lead
D	Vista	**VDD31V812IRP-3MP**	0478870	1/2.7", CS, 3.1 - 8mm, F1.2 - 360, 12cm plugged lead, 3 megapixel
	Vista	**VDD35V1010Pe**	0256930	1/3", CS, 3.5 - 10.5mm, F1.0 - 360, 10cm plugged lead
	Vista	**VDD3V811IRPe**	0479180	1/3", CS, 3 - 8mm, F1.0 - 360, IR corrected, 10cm plugged lead
	Vista	**VDD4V1212IRP**	0253170	1/2", C, 4 - 12mm, F1.2 - 360, IR corrected, 10cm plugged lead
	Vista	**VDD5V5013Pe**	0097070	1/3", CS, 5 - 50mm, F1.3 - 360, 10cm plugged lead
	Vista	**VDD5V5014PU**	0315830	1/3", CS, 5 - 50mm, F1.4 - 360, 10cm plugged lead
	Vista	**VDD5V5014PU-300**	0315840	1/3", CS, 5 - 50mm, F1.4 - 360, 30cm plugged lead
	MOTORISED ZOOM LENSES			
	Computar	**T10Z5712DC-CS**	0106080	1/3", CS, 5.7 - 57.0mm, F1.2 - 560, DD, spot filter, plugged
	Computar	**T6Z5710PDC-CS**	0106070	1/3", CS, 5.7 - 34.2mm, F1.0 - 360, DD, spot filter, plugged, presets

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

D Vista VDD31V812IRP-3MP

- 3 Megapixel resolution glass lens
- 3.1-8mm, F1.2
- Suitable for 4:3 and 16:9 formats
- IR corrected optics
- 12cm Plugged lead

HOUSINGS
See page 162

BRACKETS
See page 162

POWER SUPPLIES
See page 254

WATEC

WATEC BOX CAMERAS

	Manufacturer	Part No	Quick Ref	Operation	Sensor	Resolution	Sensitivity	Back Focus	WDR	Set-up	Remote	Video Out	Power	Operating Temp
	Watec	**WAT-535EX2(CCIR)**	0446460	Monochrome	1/3, CCD	570 TVL	0.003 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p (with ext sync)	12V DC	-10 to +50°C
	Watec	**WAT-902B(CCIR)**	0044860	Monochrome	1/2, CCD	570 TVL	0.003 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p via RCA	12V DC	-10 to +50°C
	Watec	**WAT-902DM3(CCIR)**	0094820	Monochrome	1/3, CCD	570 TVL	0.002 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902DM3(EIA)**	0477710	Monochrome	1/3, CCD	570 TVL	0.002 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902DM3S(CCIR)**	0094810	Monochrome	1/3, CCD	570 TVL	0.0012 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902DM2(CCIR)**	0094830	Monochrome	1/2, CCD	570 TVL	0.0018 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902DM2S(CCIR)**	0094800	Monochrome	1/2, CCD	570 TVL	0.0006 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H3SUPREME(CCIR)**	0098660	Monochrome	1/3, CCD	570 TVL	0.0005 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H3SUPREME(EIA)**	0320080	Monochrome	1/3, CCD	570 TVL	0.0005 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H2SUPREME(CCIR)**	0233800	Monochrome	1/2, CCD	570 TVL	0.0003 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H2SUPREME(EIA)**	0261410	Monochrome	1/2, CCD	570 TVL	0.0003 lux @ F1.4	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H3ULTIMATE(CCIR)**	0323070	Monochrome	1/3, CCD	570 TVL	0.0002 lux @ F1.4	✓	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H2ULTIMATE(CCIR)**	0325190	Monochrome	1/2, CCD	570 TVL	0.0001 lux @ F1.4	✓	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
	Watec	**WAT-902H2ULTIMATE(EIA)**	0444210	Monochrome	1/2, CCD	570 TVL	0.0001 lux @ F1.4	✓	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +40°C
A	Watec	**WAT-910HX(CCIR)**	0480140	Monochrome	1/3, CCD	570 TVL	0.000005 lux @ F1.4	✓	✓	OSD via Jog dial	-	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-910HX(EIA)**	0480500	Monochrome	1/3, CCD	570 TVL	0.000005 lux @ F1.4	✓	✓	OSD via Jog dial	-	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-910HX/RC(CCIR)**	0480470	Monochrome	1/3, CCD	570 TVL	0.000005 lux @ F1.4	✓	✓	OSD via remote	✓	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-221S(PAL)**	0088410	Colour	1/2, CCD	480 TVL	0.1 lux @ F1.2	-	-	Dip-Switch	-	Composite 1Vp-p, Y/C	12V DC	-10 to +40°C
	Watec	**WAT-221S(NTSC)**	0093200	Colour	1/2, CCD	480 TVL	0.1 lux @ F1.2	-	-	Dip-Switch	-	Composite 1Vp-p, Y/C	12V DC	-10 to +40°C
	Watec	**WAT-231S2(PAL)**	0429420	Colour	1/3, CCD	540 TVL	0.02 lux @ F1.2	✓	-	Dip-Switch	-	Composite 1Vp-p, Y/C	12V DC	-10 to +50°C
	Watec	**WAT-231S2(NTSC)**	0495620	Colour	1/3, CCD	540 TVL	0.02 lux @ F1.2	✓	-	Dip-Switch	-	Composite 1Vp-p, Y/C	12V DC	-10 to +50°C
	Watec	**WAT-250D2(PAL)**	0471020	Colour	1/3, CCD	540 TVL	0.02 lux @ F1.2	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-250D2(NTSC)**	0496370	Colour	1/3, CCD	540 TVL	0.02 lux @ F1.2	-	-	Dip-Switch	-	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-600CX(PAL)**	0474350	Colour	1/3, CCD	540 TVL	0.02 lux @ F1.2	-	-	Dip-Switch	-	Composite 1Vp-p	15V DC (line fed)	-10 to +50°C
B	Watec	**WAT-233(PAL)**	0480690	TDN	1/3, CCD	960H (700 TVL)	0.00003 lux @ F1.4	✓	✓	OSD via Jog dial	-	Composite 1Vp-p	12V DC	-10 to +50°C
	Watec	**WAT-233(NTSC)**	0480700	TDN	1/3, CCD	960H (700 TVL)	0.00003 lux @ F1.4	✓	✓	OSD via Jog dial	-	Composite 1Vp-p	12V DC	-10 to +50°C

All Watec box cameras listed above are CS mount and support AI, DD, EI lens operation

WATEC BULLET CAMERAS

Manufacturer	Part No	Quick Ref	Operation	Sensor	Resolution	Lens	Sensitivity	Set-up	AVM Remote	Power	Operating Temp
Watec	**WAT-704R/G2.5(CCIR)**	0045070	Monochrome	1/4, CCD	380 TVL	2.5mm	0.08 lux @ F2.0	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/G2.5(EIA)**	0044700	Monochrome	1/4, CCD	380 TVL	2.5mm	0.08 lux @ F2.0	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/P3.7(CCIR)**	0044510	Monochrome	1/4, CCD	380 TVL	3.7mm (pinhole)	0.41 lux @ F4.5	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/P3.7(EIA)**	0044550	Monochrome	1/4, CCD	380 TVL	3.7mm (pinhole)	0.41 lux @ F4.5	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/G3.8(CCIR)**	0044310	Monochrome	1/4, CCD	380 TVL	3.8mm	0.08 lux @ F2.0	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/G3.8(EIA)**	0095150	Monochrome	1/4, CCD	380 TVL	3.8mm	0.08 lux @ F2.0	-	-	9V DC	-10 to +40°C
Watec	**WAT-704R/G12.0(CCIR)**	0096820	Monochrome	1/4, CCD	380 TVL	12.0mm	0.08 lux @ F2.0	-	-	9V DC	-10 to +40°C
Watec	**WAT-240VIVID/G1.9(PAL)**	0296390	Colour	1/4, CCD	450 TVL	1.9mm	0.7 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/P3.7(PAL)**	0287210	Colour	1/4, CCD	450 TVL	3.7mm (pinhole)	3.54 lux @ F4.5	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/G3.8(PAL)**	0296470	Colour	1/4, CCD	450 TVL	3.8mm	0.7 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/G3.8(NTSC)**	0310320	Colour	1/4, CCD	450 TVL	3.8mm	0.7 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/G6.0(PAL)**	0324110	Colour	1/4, CCD	450 TVL	6.0mm	1.090 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/G8.0(PAL)**	0342980	Colour	1/4, CCD	450 TVL	8.0mm	0.7 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C
Watec	**WAT-240VIVID/G12.0(PAL)**	0282460	Colour	1/4, CCD	450 TVL	12.0mm	0.7 lux @ F2.0	OSD via AVM	✓	9V DC	-10 to +50°C

All Watec bullet cameras listed above have an M13 P1.0 lens mount and EI lens operation

WATEC CASED BOARD CAMERAS

Manufacturer	Part No	Quick Ref	Operation	Sensor	Resolution	Lens	Sensitivity	Set-up	AVM Remote	Video Out	Power
Watec	**WAT-660D/G2.5(EIA)**	0443380	Monochrome	1/4, CCD	400 TVL	2.5mm	0.06 lux @ F2.0	-	-	Composite 1Vp-p	9V DC
Watec	**WAT-660D/P3.7(CCIR)**	0044260	Monochrome	1/4, CCD	400 TVL	3.7mm (pinhole)	0.3 lux @ F3.5	-	-	Composite 1Vp-p	9V DC
Watec	**WAT-660D/G3.8(CCIR)**	0044210	Monochrome	1/4, CCD	400 TVL	3.8mm	0.06 lux @ F2.0	-	-	Composite 1Vp-p	9V DC
Watec	**WAT-660D/G6.0(CCIR)**	0044290	Monochrome	1/4, CCD	400 TVL	6.0mm	0.09 lux @ F2.5	-	-	Composite 1Vp-p	9V DC
Watec	**WAT-230VIVID/G1.9(PAL)**	0324510	Colour	1/4, CCD	450 TVL	1.9mm	0.63 lux @ F2.0	OSD via AVM	✓	Composite 1Vp-p	6V DC
Watec	**WAT-230VIVID/G2.5(PAL)**	0444970	Colour	1/4, CCD	450 TVL	2.5mm	0.63 lux @ F2.0	OSD via AVM	✓	Composite 1Vp-p	6V DC
Watec	**WAT-230VIVID/G2.5(NTSC)**	0478420	Colour	1/4, CCD	450 TVL	2.5mm	0.63 lux @ F2.0	OSD via AVM	✓	Composite 1Vp-p	6V DC
Watec	**WAT-230VIVID/P3.7(PAL)**	0282230	Colour	1/4, CCD	450 TVL	3.7mm (pinhole)	3.54 lux @ F4.5	OSD via AVM	✓	Composite 1Vp-p	6V DC
Watec	**WAT-230VIVID/G3.8(PAL)**	0339280	Colour	1/4, CCD	450 TVL	3.8mm	0.63 lux @ F2.0	OSD via AVM	✓	Composite 1Vp-p	6V DC

All Watec board cameras listed above have an M13 P1.0 lens mount and EI lens operation

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

A Watec WAT-910HX

- 1/2" CCD
- 570 TVL monochrome resolution
- CS mount
- 0.000005 lux @F1.4 (shutter x256)
- WDR
- OSD via jog wheel (or remote on RC model)
- 12V DC

B Watec WAT-233

- 1/3" 960H CCD
- 650 TVL resolution
- CS mount
- 0.01 lux (colour), 0.000 lux (colour, sense up) @F1.2
- 0.0005 lux (mono), 0.00003 lux (mono, sense up) @F1.2
- True Day/Night operation
- Dual shutter WDR
- OSD via jog wheel
- 12V DC

CABLES
See page 262

Manufacturer	Part No	Quick Ref	Operation	Sensor	Resolution	Sensitivity	Video Out	Power	Operating Temp
WATEC BOARD CAMERAS									
Watec	**WAT-902HB3S(EIA)**	0480530	Monochrome	1/3, CCD	570 TVL	0.0006 lux @ F1.4	Composite 1Vp-p	12V DC	-10 to +40°C
Watec	**WAT-902HB2S(CCIR)**	0342680	Monochrome	1/2, CCD	570 TVL	0.0003 lux @ F1.4	Composite 1Vp-p	12V DC	-10 to +40°C
Watec	**WAT-01CDB3(NTSC)**	0480780	Colour	1/3, CCD	450 TVL	0.5 lux @ F1.2	Composite 1Vp-p	12V DC	-10 to +40°C

All Watec board cameras listed above are CS mount and support AI, DD, EI lens operation

Manufacturer	Part No	Quick Ref	Product Description
WATEC ACCESSORIES			
Watec	**WAT-12VCB**	0477810	Cable harness for board camera
Watec	**WAT300RXS**	0094560	Line drive unit for WAT300/400, 600CX
Watec	**WAT-660CB**	0044450	300mm cable, with BNC, socket & connector for WAT-660D
Watec	**K-132R**	0498420	300mm cable with connector for WAT-230VIVID
Watec	**WAT-AVM-USB**	0478430	Set up tool 230/240 VIVID, 241
Watec	**WAT-30CMA-R**	0316850	30mm diameter C mount adapter
Watec	**WAT-34CMA-R**	0316860	34mm diameter C mount adapter
WATEC BRACKETS			
Watec	**WAT-B001**	0044440	Mounting bracket for all WAT-660 &,230
Watec	**WAT-B002**	0044430	Mounting bracket for WAT-207A
Watec	**WAT-H002**	0044610	Mounting bracket for WAT-704R, 240
Watec	**WATMS50**	0091820	1/4" NPT ministand, 50mm high
WATEC POWER SUPPLIES			
Watec	**WAT-AD603**	0443310	6.6V DC PSU 300ma
Watec	**WPDC12**	0474540	12V DC adaptor for Watec cameras
WATEC LENS			
Watec	**WAT-3245B-5**	0497310	1/4", 3.2mm, F4.5 pinhole lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-3745B-5**	0655100	1/4", 3.7mm, F4.5 pinhole lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-1920BC-5**	0341250	1/4", 1.9mm, F2.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-2520BC-5**	0044810	1/4", 2.5mm, F2.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-3820BC-5**	0093420	1/4", 3.8mm, F2.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-0625BC-5**	0044820	1/4", 6mm, F2.5 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-0820BC-5**	0044830	1/4", 8mm, F2.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-1220BC-5**	0044850	1/4", 12mm, F2.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-2540BC-15**	0098670	1/4", 25mm, F4.0 lens for 230/240 VIVID, 660D, 704R
Watec	**WAT-0814BC-22**	0093300	1/2", 8mm, F1.4 compact lens for 902H2 Supreme, 902B
Watec	**WAT-0814BC-29**	0342820	1/2", 8mm, F1.4 compact lens for 221S

WATEC

Sold exclusively via Norbain, Watec have been the leading manufacturer of compact, lightweight CCD cameras for over 20 years. Customers consistently evaluate Watec cameras to be of the highest quality and reliability, with the result that Watec now has markets in over 60 countries worldwide.

Watec have become the leader in miniaturisation, producing the smallest CCD cameras in the industry, with a design philosophy and development being driven by their goal for versatile usage and ease of installation. Through research and development of hybrid integrated circuitry, Watec continues to miniaturise CCD cameras, whilst maintaining quality, resolution and exceptional low light sensitivity.

Watec CCD cameras are used not only in general security and surveillance – in static and mobile applications e.g. elevators, public transport, shipping and trains – but also industrial applications which require image processing and Fully Automated (FA) systems on production lines. Based on this high level of quality and technical reliability, these cameras are being used in almost every application possible, from outer space and subtropical areas, to the extremes of heat and cold that Earth has to offer.

ZOOM CAMERAS

	Manufacturer	Part No	Quick Ref	Style	Lens	Resolution	Sensor	Sensitivity	Operation	Mounting joint	WDR	Set-up	IR range	IP rating	Colour	Operating Temp	Power
	ZOOM CAMERAS																
	Samsung Techwin	**SCZ-2250P**	0544200	Box	22:1	760H	1/4 CCD	0.2 / 0.02 lux	TDN	-	-	OSD	-	-	Light Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCZ-2370P**	0542910	Box	37:1	760H	1/4 CCD	0.7 / 0.07 lux	TDN	-	-	OSD	-	-	Light Grey	-30 to +55°C	12/24V
	Samsung Techwin	**SCZ-3370P**	0566380	Box	37:1	760H	1/4 CCD	0.7 / 0.07 lux	TDN	-	54dB	OSD	-	-	Light Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCZ-3430P**	0544260	Box	43:1	760H	1/4 CCD	0.7 / 0.07 lux	TDN	-	54dB	OSD	-	-	Light Grey	-30 to +55°C	12/24V
	Samsung Techwin	**SCZ-2373P**	0740850	Box	37:1	960H	1/4 CCD	0.2 / 0.01 lux	TDN	-	-	OSD	-	-	Light Grey	-10 to +55°C	12/24V
	Samsung Techwin	**SCZ-2273P**	0740860	Box	27:1	960H	1/4 CCD	0.2 / 0.01 ux	TDN	-	-	OSD	-	-	Light Grey	-30 to +55°C	12/24V
	Siemens	**CCAW1427-LP0IR**	0739020	All In One Camera	22.1	960H	1/4	Colour: 0.1 lux B/W: 0.01 lux Slow shutter: 0.00001 lux	TDN	3 axis	✓	OSD	15m	IP66	Grey	-30 to +50 °C	12V DC / 24V AC, 0.75 A, 50 Hz
	Siemens	**CCAW1427-LPI**	0739030	All In One Camera	22.1	960H	1/4	Colour: 0.1 lux B/W: 0.01 lux Slow shutter: 0.00001 lux	TDN	3 axis	✓	OSD, Dip-Switch	-	IP66	Grey	Without heater: -10 to +50 °C	12V DC / 24V AC, 0.6 A, 50 Hz
A	Vista	**VZM22INT960H**	0480510	Box	22:1	960H	1/4 CCD	0.1 lux / 0.001 lux / 0.00001 lux @F1.6	TDN	-	✓	OSD , RS485	-		Grey	-10 to +50°C	12V DC
	Vista	**VZM22EXT960H**	0480520	Bullet	22:1	960H	1/4 CCD	0.1 lux / 0.001 lux / 0.00001 lux @F1.6	TDN	3 axis	✓	OSD , RS485	80m	IP66	Dark Grey	-30 to +50°C	12/24V

A Vista VZM22INT960H

- 960H (700 TVL) resolution
- 22x optical zoom lens (3.9-85.8mm)
- True day/night operation
- OSD with analytics, WDR, 2D/3DNR, sense up, RS485 control
- Alarm input

B Vista VPL7-WP-SM

- 22x optical zoom lens
- True day/night operation
- RS485 and coax telemetry
- 4 alarm inputs/1 output
- Built to IK10 (EN62262)
- 12/24V operation
- Surface mount or pendant mount (1.5" NPT)

DID YOU KNOW?...

Deliveries direct to site, or wherever suits you best

Ensuring a product is available for installation is vital to any project. Whatever your requirements, you can rely on us to make those vital deliveries to a location of your choice.

C Vista VP-22DN-960H/BC

The PowerDome 960H fully functional PTZ dome cameras, offer a wide range of advanced features and solutions, making them ideal for an extensive range of applications. The VP-960H camera uses Sony 960H technology to deliver a superb 700 TVL resolution image. Available with two camera models, 36:1 or 22:1 optical zoom, with smoked or clear bubble options. This combined with the wide range of high end features ensures the installer can be confident of finding a solution to meet their requirements. The dome default settings allow it to work automatically out of the box on Vista Coax, Vista RS485, Pelco D or Pelco P telemetry protocols, reducing installation time. The VP-960H includes 8 alarm inputs and 4 alarm outputs at the dome head, along with 240 presets, 8 preset tours and 8 learn tours. The domes 360° continual rotation and variable speed control between 0.10/sec and 380°/sec provides the operator excellent control, allowing easy tracking of moving objects.

- 960H (700 TVL) resolution
- 22x and 36x optical zoom lens options
- True day/night operation
- RS485 and coax telemetry
- 8 alarm inputs
- 4 relay outputs
- Back box memory

VISTA
Flexibility by Design™

HD
960H

VISTA PTZ SPEED DOMES

	Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
	VISTA PTZ SPEED DOMES																
B	Vista	**VPL7-WP-SM**	0474550	22:1	Coax, RS485	240	8	4	960H	0.1 lux/0.001 lux/0.00001 lux @F1.6	TDN	✓	IP66	IK10	Clear	-10 to +50°C	12/24V
	Vista	**VPL7-WP-PM**	0475010	22:1	Coax, RS485	240	8	4	960H	0.1 lux/0.001 lux/0.00001 lux @F1.6	TDN	✓	IP66	IK10	Clear	-30 to +50°C	12/24V
C	Vista	**VP-Z2DN-960H/BC**	0690390	22:1	Coax, RS485	240	8	8	960H	0.00001 lux (B/W & Low Shutter)	TDN	✓	IP66 & IK10 with VDM-EXTHSG/C		Clear	0°to 50° (Indoor) -50°to 50° (In external housing)	24V AC
	Vista	**VP-Z2DN-960H/BS**	0690400	22:1	Coax, RS485	240	8	8	960H	0.00001 lux (B/W & Low Shutter)	TDN	✓	IP66 & IK10 with VDM-EXTHSG/C		Smoked	0°to 50° (Indoor) -50°to 50° (In external housing)	24V AC
	Vista	**VP-36DN-960H/BS**	0690410	36:1	Coax, RS485	240	8	8	960H	0.00001 lux (B/W & Low Shutter)	TDN	✓	IP66 & IK10 with VDM-EXTHSG/C		Clear	0°to 50° (Indoor) -50°to 50° (In external housing)	24V AC
	Vista	**VP-36DN-960H/BC**	0690420	36:1	Coax, RS485	240	8	8	960H	0.00001 lux (B/W & Low Shutter)	TDN	✓	IP66 & IK10 with VDM-EXTHSG/C		Smoked	0°to 50° (Indoor) -50°to 50° (In external housing)	24V AC

	Manufacturer	Part No	Quick Ref	Product Description
	VPL7 ACCESSORIES			
	Vista	**VPP-TM**	0470440	Swan neck for VPL7-SM-WP
D	Vista	**VDM-TMJB**	0690320	Swan neck with junction box for VPL7-PM-WP
	Vista	**VRD-TM**	0498950	Swan neck for VPL7-PM-WP
E	Vista	**VRD-TMJB**	0690220	Swan neck with junction box for VPL7-SM-WP
	Vista	**VRD-EWMB**	0498930	Wall mount bracket for VPL-SM-WP
	Vista	**VPL-EWMBe**	0498960	Wall mount bracket for VPL-PM-WP
	Vista	**VRD-EPMB**	0498940	Pendant mount for VPL-SM-WP (250mm)
	Vista	**VDM-ECMA**	0475230	Corner mount adaptor for wall brackets
	Vista	**VPP-IPMB250**	0472170	Pendant mount for VPL-PM-WP (250mm)
	Vista	**VPSU243EXT**	0496080	External power supply 24V AC, 3 Amp, IP66
	Vista	**VPD-PSU1e**	0396160	Internal encapsulated power supply 24V AC, 1.5 Amp
	VP-960H ACCESSORIES			
	Vista	**VDM-EXTHSG/C**	0498720	External housing clear bubble IP66 (Built to IK10)
	Vista	**VDM-EXTHSG/S**	0680960	External housing smoked bubble IP66
	Vista	**VPP-TM**	0470440	Swan neck for VDM-EXTHSG housing
	Vista	**VDM-TMJB**	0690320	Swan neck with junction box for VDM-EXTHSG housing
	Vista	**VPL-EWMBe**	0498960	Wall mount bracket for VDM-EXTHSG housing
	Vista	**VDM-ECMA**	0475230	Corner mount adaptor for wall brackets
	Vista	**VPP-IPMB250**	0472170	Pendant mount for VDM-EXTHSG housing
	Vista	**VDM-ICM/C**	0697360	In ceiling mounting kit cream trim ring – no bubble
	Vista	**VDM-ICM/B**	0498730	In ceiling mounting kit black trim ring – no bubble
	Vista	**VDM-ICMD/C**	0697370	In ceiling mount kit cream trim ring – integral smoked bubble
	Vista	**VDM-ICMD/B**	0697350	In ceiling mount kit black trim ring – integral smoked bubble
	Vista	**VPSU243EXT**	0496080	External power supply 24V AC, 3 Amp, IP66
	Vista	**VPD-PSU1e**	0396160	Internal encapsulated power supply 24V AC, 1.5 Amp

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Flexibility by Design™

D Vista VDM-TMJB

- Swan neck tower mount
- Junction box for easy cabling
- 1.5" NPT thread
- Fits Vista VDM-EXTHSG external housing and other industry housings

Flexibility by Design™

E Vista VRD-TMJB

- Swan neck tower mount
- Junction box for easy cabling
- Fits Vista VRD style vandal domes

KEYBOARDS
See page 132

POWER SUPPLIES
See page 254

PTZ SPEED DOMES

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
AMERICAN DYNAMICS PTZ DOME RANGE																
DOME BODY ONLY																
American Dynamics	**ADSDU8E22P**	0364230	22:1	Coax, RS485	96	16	4	470TVL	0.02lux	Colour	-	IP66 with ADSDUHOC housing	-	None	-10 to 50	18 - 30V AC
American Dynamics	**ADSDU8E35P**	0363120	35:1	Coax, RS485	96	16	4	540TVL	0.00041 lux	TDN	✓	IP66 with ADSDUHOC housing	-	None	-10 to 50	18 - 30V AC
American Dynamics	**ADSDUIOB**	0367070	This is an input/output board that the dome fits on to													
INTERNAL IN-CEILING DOMES																
American Dynamics	**ADSDU8E35IHP**	0505110	35:1	Coax, RS485	96	16	4	540TVL	0.00041 lux	TDN	✓	Indoor housing	-	Clear or tinted	-10 to 50	18 - 30V AC
EXTERNAL PENDANT DOMES																
American Dynamics	**ADSDU8E350PCP**	0583450	35:1	Coax, RS485	96	16	4	540TVL	0.00041 lux	TDN	✓	IP66	-	Clear	-10 to 50	18 - 30V AC
American Dynamics	**ADSDU8E220PCP**	0367030	35:1	Coax, RS485	96	16	4	470TVL	0.02 lux	Colour	-	IP66	-	Clear	-10 to 50	18 - 30V AC

Manufacturer	Part No	Quick Ref	Product Description
AMERICAN DYNAMICS PTZ DOME RANGE ACCESSORIES			
American Dynamics	**RHIUTH**	0042250	Top hat housing with deluxe trim ring
American Dynamics	**RHIUHC**	0042460	Solid ceiling bracket, requires RHIUTH
American Dynamics	**RHIU2X2M**	0589850	Speed dome ultra camera in ceiling mount
American Dynamics	**ADSDUCLR**	0041960	Smoked internal bubble for RHIUTH
American Dynamics	**ADSDUSMK**	0042560	Clear internal bubble for RHIUTH
American Dynamics	**ADSDUHOC**	0367080	Outdoor housing IP66, heater/fan, surge protection, clear, 1 alarm
American Dynamics	**RHOLW**	0082450	Outdoor long wall mount with end cap
American Dynamics	**RHOSW**	0082440	Outdoor short wall mount with end cap
American Dynamics	**RHOWCA**	0082470	Outdoor corner bracket adaptor for outdoor mounts
American Dynamics	**RJ1SNUD-1**	0152080	Ultra dome series J-Box, outdoor, 1 position, SensorNet
American Dynamics	**RJ6SN**	0042060	Ultra dome series J-Box, indoor, 6 position, SensorNet

KEYBOARDS
See page 132

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
BOSCH PTZ DOME RANGE																
INTERNAL PENDANT DOMES																
Bosch	**VEZ-513-IWCR**	0731710	3.4 - 120mm	Bosch, Pelco	99	8	4	960H	0.01 lux	-	✓	IP66	IK10	Clear	-40 to +50 degC	24V AC
Bosch	**VEZ-513-IWTR**	0731720	3.4 - 120mm	Bosch, Pelco	99	8	4	960H	0.01 lux	-	✓	IP66	IK10	Tinted	-40 to +50 degC	24V AC
Bosch	**VG5-613-PCS**	0609460	3.5 - 98mm	Bosch, Pelco	99	3	2	760H	0.07 lux	-	✓	IP66	IK8	Clear	-10 to +40 degC	24V AC
Bosch	**VG5-614-PCS**	0731730	3.4 - 122.4mm	Bosch, Pelco	99	3	2	760H	0.07 lux	-	✓	IP66	IK8	Clear	-10 to +40 degC	24V AC
INTERNAL IN-CEILING DOMES																
Bosch	**VG5-613-CCS**	0597450	3.5 - 98mm	Bosch, Pelco	99	3	2	-	0.07 lux	-	✓	IP54	IK8	Clear	-10 to +40 degC	24V AC
EXTERNAL PENDANT DOMES																
Bosch	**VEZ-513-EWCR**	0731740	3.4 - 120mm	Bosch, Pelco	99	8	4	960H	0.01 lux	-	✓	IP66	IK10	Clear	-40 to +50 degC	24V AC
Bosch	**VEZ-513-EWTR**	0702740	3.4 - 120mm	Bosch, Pelco	99	8	4	960H	0.01 lux	-	✓	IP66	IK10	Tinted	-40 to +50 degC	24V AC
Bosch	**VG5-613-ECS**	0595340	3.5 - 98mm	Bosch, Pelco	99	3	2	760H	0.07 lux	-	✓	IP66	IK8	Clear	-10 to +50 degC	24V AC
Bosch	**VG5-614-ECS**	0596090	3.4 - 122.4mm	Bosch, Pelco	99	3	2	760H	0.07 lux	-	✓	IP66	IK8	Clear	-10 to +50 degC	24V AC

Manufacturer	Part No	Quick Ref	Product Description
BOSCH DOME ACCESSORIES			
Bosch	**VG4-A-PA0**	0404230	Pendant arm wall bracket for VG5 dome
Bosch	**VG4-A-9542**	0055600	Corner mount bracket for pendant arm
Bosch	**VG4-A-9543**	0374150	Pipe mount bracket for VG5 series domes
Bosch	**VEZ-A5-WL**	0701790	Autodome 5000 wall mount bracket
Bosch	**VEZ-A5-PP**	0701950	Autodome 5000 pipe mount bracket

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
PELCO SPECTRA PTZ DOME RANGE																
COMPACT DOMES – SURFACE & IN-CEILING MOUNT																
Pelco	**SD4-W1-X**	0287690	10:1	Pelco P, D, Coaxitron	64	1	0	460TVL	3 Lux	Colour	-	-	-	Smoked	0 to +50°C	24V AC
Pelco	**SD4-W0-X**	0287680	10:1	Pelco P, D, Coaxitron	64	1	0	460TVL	3 Lux	Colour	-	-	-	Clear	0 to +50°C	24V AC
INTERNAL IN-CEILING DOMES																
Pelco	**SD423-F0-X**	0524360	23:1	Pelco P, D, Coaxitron	64	1	1	540TVL	0.55 lux at 1/50 sec (colour), 0.12 lux at 1/50 sec (B-W)	TDN	128x	IP40	-	Clear	0 to +50°C	18-32V AC
Pelco	**SD429-F0-X**	0627760	29:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP40	-	Clear	0 to +50°C	18-32V AC
A Pelco	**SD436-F0-X**	0628240	36:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP40	-	Clear	0 to +50°C	18-32V AC
INTERNAL PENDANT DOMES																
Pelco	**SD423-PG-1-X**	0737000	23:1	Pelco P, D, Coaxitron	64	1	1	540TVL	0.55 lux at 1/50 sec (colour), 0.12 lux at 1/50 sec (B-W)	TDN	128x	IP66	-	Clear	-4 to +45°C	18-32V AC
Pelco	**SD429-PG-1-X**	0620280	29:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP66	-	Clear	-4 to +45°C	18-32V AC
Pelco	**SD436-PG-1-X**	0693220	36:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP66	-	Clear	-4 to +45°C	18-32V AC
EXTERNAL PENDANT DOMES																
Pelco	**SD423-PG-E1-X**	0531680	23:1	Pelco P, D, Coaxitron	64	1	1	540TVL	0.55 lux at 1/50 sec (colour), 0.12 lux at 1/50 sec (B-W)	TDN	128x	IP66	-	Clear	-51 to +60°C	18-32V AC
Pelco	**SD429-PG-E1-X**	0620300	29:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP66	-	Clear	-51 to +60°C	18-32V AC
Pelco	**SD436-PG-E1-X**	0656600	36:1	Pelco P, D, Coaxitron	256	8	7	540TVL	0.45 lux at 1/50 sec (colour), 0.015 lux at 1/1.5 sec (colour), 0.00015 lux at 1/1.5 sec (B-W)	TDN	128x	IP66	-	Clear	-51 to +60°C	18-32V AC

Manufacturer	Part No	Quick Ref	Product Description
PELCO SPECTRA IV DOME RANGE ACCESSORIES			
Pelco	**IWM-GY**	0137280	Wall mount bracket for Spectra IV domes
Pelco	**IWM24-GY**	0136970	Wall mount bracket for Spectra IV with built-in PSU
Pelco	**SWM-GY**	0137000	Compact wall mount bracket for Spectra IV domes
Pelco	**CM400**	0136980	Corner mount adapter for IWM series wall mount
Pelco	**MRCA**	0156090	Ceiling mount for pendant mount Spectra IV domes
Pelco	**PA402**	0162270	Pole mount adapter for IWM series wall mount
Pelco	**SP01-001**	0215710	Tower (swan neck) mount for Spectra IV domes
Pelco	**SP01-146A**	0215260	300mm drop pole for Spectra IV domes
Pelco	**SP01-146B**	0215720	1000mm drop pole for Spectra IV domes
Pelco	**SP99-321**	0164890	4-8ft telescopic drop pole for Spectra IV domes

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

PELCO
by Schneider Electric

A Pelco SD436-F0-X

- 23x, 29x & 36x optical zoom options
- Day/Night, 540 TVL, 128x wide dynamic range (WDR), motion detection, image enhancement and electronic image stabilisation (SD436 Series)
- Ability to add IP network capability with optional TXB-IP module
- Window, horizontal and zone blanking
- Camera title overlay, 20 user definable characters
- Internal, external, vandal, stainless steel & pressurised housing options

CABLES
See page 262

CONNECTORS
See page 266

PTZ SPEED DOMES

	Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
	REDVISION PTZ RANGE																
	EXTERNAL PTZ																
A	Redvision	**RVX18**	0612500	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 1A
	Redvision	**RVX28**	0577440	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 752 x 582 Pixels	IR cut on 0.25 lux1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 1A
	EXTERNAL PTZ WITH WIPER																
	Redvision	**RVX18-W**	0612520	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 1A
	Redvision	**RVX28-W**	0577450	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL 752 x 582 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 1A
	Redvision	**RVX40-W**	0737960	60.0° (W) 1.6° (t) 3.06 - 122.4 (F1.6 - F4.6)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	670 TVL 570,000 Pixels	IR cut on 0.6 lux 1/50	-	40:1	IP67	-	-	- 25° to + 50°	24V DC 1A
	EXTERNAL PTZ WITH IR																
	Redvision	**RVX18-IR**	0612510	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX28-IR**	0577460	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL 752 x 582 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX40-IR**	0737970	60.0° (W) 1.6° (t) 3.06 - 122.4 (F1.6 - F4.6)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	670 TVL 570,000 Pixels	IR cut on 0.6 lux 1/50	-	40:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	EXTERNAL PTZ WITH IR & WIPER																
	Redvision	**RVX18-IR-W**	0612490	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX28-IR-W**	0577470	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL 752 x 582 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX40-IR-W**	0737980	60.0° (W) 1.6° (t) 3.06 - 122.4 (F1.6 - F4.6)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	670 TVL 570,000 Pixels	IR cut on 0.6 lux1/50	-	40:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	EXTERNAL PTZ WITH IR/WHITE LIGHT																
	Redvision	**RVX18-IRWL**	0618550	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX28-IRWL**	0618570	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL 752 x 582 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX40-IRWL**	0708380	60.0° (W) 1.6° (t) 3.06 - 122.4 (F1.6 - F4.6)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	670 TVL 570,000 Pixels	IR cut on 0.6 lux 1/50	-	40:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	EXTERNAL PTZ WITH IR/WHITE LIGHT & WIPER																
	Redvision	**RVX18-IRWL-W**	0618560	54.7° (w) 3.1° (t) 4.7 - 84.6mm (F1.4 - F3)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL, 795 x 596 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0025 lux 1/3	-	-	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX28-IRWL-W**	0618580	55.8° (w) 2.1° (t) 3.5-91 (F1.6 - F3.8)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	550 TVL 752 x 582 Pixels	IR cut on 0.25 lux 1/50, IR cut off 0.0027 lux 1/3	-	28:1	IP67	-	-	- 25° to + 50°	24V DC 2A
	Redvision	**RVX40-IRWL-W**	0737990	60.0° (W) 1.6° (t) 3.06 - 122.4 (F1.6 - F4.6)	Pelco P&D, Forward Vision, Vista, Dennard, BBV422 and BBV coax	100	8	via PSU	670 TVL 570,000 Pixels	IR cut on 0.6 lux 1/50	-	40:1	IP67	-	-	- 25° to + 50°	24V DC 2A

Domes, brackets and adapters come in grey finish, black is available as a no cost option, specify at time of order

Manufacturer	Part No	Quick Ref	Product Description
REDVISION PTZ ACCESSORIES			
Redvision	**RV-SWAN**	0531150	Swan mount bracket including 10m cable
Redvision	**RV-WALL**	0531160	Wall mount bracket including 3m cable
Redvision	**RV-COMP-WALL**	0709180	Compact wall bracket including 4m cable for upright or hanging install
Redvision	**RV-EXT-WALL**	0614960	Wall extension bracket (450mm) for X Series domes including 4m cable
Redvision	**RV-PED**	0577480	Pedestal mount adapter including 10m cable for upright install on tower
Redvision	**RV-PNDT**	0615790	Pendant mount bracket 210mm including 4m cable (other lengths available POA)
Redvision	**RV-POLE**	0531190	Pole mount adapter 60-90mm for RV-WALL
Redvision	**RV-CNR**	0531170	Corner mount adapter for RV-WALL
Redvision	**RV-EXT-CNR**	0620410	Corner mount adapter for RV-EXT-WALL
Redvision	**RV-VISOR**	0612610	Sun & rain visor for X-Series PTZ (when camera mounted upright)
Redvision	**RVX-PSU**	0610570	24V DC power supply for X- Series ball PTZ/domes
Redvision	**RVX-PSU-ALM16**	0610580	24V DC power supply for X Series ball PTZ/domes, including 16 way alarm module
Redvision	**RVX-PSU-ALM16-W**	0610590	24V DC PSU for X Series ball PTZ/domes, including 16 way alarm module & PIR wireless card

Domes, brackets and adapters come in grey finish, black is available as a no cost option, specify at time of order

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Redvision™

A Redvision RVX18

- X-series™ Rugged PTZ camera
- 8, 28 and 40x zoom options
- Long range IR and dual IR+white light option
- BBV UTC & multiple 485 protocols
- Wiper, washer option
- Custom colours & marine options

CABLES
See page 262

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

	Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
	SAMSUNG TECHWIN DOME RANGE																
	COMPACT PTZ DOMES INTERNAL																
	Samsung Techwin	**SCP-2120**	0528970	12:1	Coax, RS485	255	6	2 in / 2 out	760H	0.2/0.04 lux	TDN	SSRD	-	-	Clear (Smoked option)	-10°C to +55°C	24V AC
	Samsung Techwin	**SCP-3120**	0544410	12:1	Coax, RS485	255	6	2 in/2 Out	760H	0.7/0.07 lux	TDN	SSRD	-	-	Clear (Smoked option)	-10°C to +55°C	24V AC
	COMPACT PTZ DOMES EXTERNAL																
	Samsung Techwin	**SCP-3120VH**	0543380	12:1	Coax, RS485	255	6	2 in/2 Out	760H	0.7/0.07 lux	TDN	54dB	IP66	IK10	Clear (Smoked option)	-10°C to +55°C	24V AC
	INTERNAL PTZ DOME CAMERAS																
	Samsung Techwin	**SCP-2271**	0701160	27:1	Coax, RS485	255	6	8 in/3 out	760H	0.2/0.02 lux	TDN	SSRD	-	-	Clear (Smoked option)	-10°C to +55°C	24V AC
	Samsung Techwin	**SCP-2273**	0698320	27:1	Coax, RS485	255	6	8 in/3 out	960H	0.2/0.01 lux	TDN	SSRD	-	-	Clear (Smoked option)	-10°C to +55°C	24V AC
	Samsung Techwin	**SCP-3371**	0702600	37:1	Coax, RS485	255	6	8 in/3 out	760H	0.7/0.07 lux	TDN	54dB	-	-	Clear (Smoked option)	-10°C to +55°C	24V AC
	EXTERNAL PTZ DOME CAMERAS																
	Samsung Techwin	**SCP-2271H**	0627370	27:1	Coax, RS485	255	6	8 in/3 out	760H	0.2/0.02 lux	TDN	SSRD	IP66	IK10	Clear (Smoked option)	-50°C to +55°C	24V AC
	Samsung Techwin	**SCP-2273H**	0705330	27:1	Coax, RS485	255	6	8 in/3 out	960H	0.2/0.01 lux	TDN	SSRD	IP66	IK10	Clear (Smoked option)	-50°C to +55°C	24V AC
B	Samsung Techwin	**SCP-2371H**	0692940	37:1	Coax, RS485	255	6	8 in/3 out	760H	0.2/0.02 lux	TDN	SSRD	IP66	IK10	Clear (Smoked option)	-50°C to +55°C	24V AC
	Samsung Techwin	**SCP-3370TH**	0589120	37:1	Coax, RS485	255	6	8 in/3 out	760H	0.7/0.07 lux	TDN	54dB	IP66	IK10	Clear (Smoked option)	-50°C to +55°C	24V AC
	Samsung Techwin	**SCP-3430H**	0529040	43:1	Coax, RS485	512	6	8 in/3 out	760H	0.7/0.07 lux	TDN	54dB	IP66	IK10	Clear (Smoked option)	-50°C to +55°C	24V AC
	SAMSUNG TECHWIN IR PTZ DOME																
C	Samsung Techwin	**SCP-2370RH**	0654700	37:1	Coax, RS485	255	6	8 in/3 out	760H	0.2/0.0 lux	TDN	SSRD	IP66	IK10	-	-50°C to +55°C	24V AC

SAMSUNG

SAMSUNG TECHWIN

B Samsung Techwin SCP-2371H

- 27 & 37x optical zoom option
- High resolution of 600 & 650 TVL options
- True day/night and SSNRIII
- Min. Illumination 0.2 lux@F1.6 (colour), 0.01 lux (B/W)
- Attractive waterproof (IP66) design
- Coaxial & RS485 control

SAMSUNG

SAMSUNG TECHWIN

C Samsung Techwin SCP-2370RH

- High-speed pan, tilt, zoom camera with long range IR illumination
- High resolution of 600 TVL (700 TVL in B/W)
- Powerful 37x zoom and 16x digital
- True day/night
- Trendsetting waterproof (IP66/IK10) design
- IR intensity adjustment with zooming in/out ratio 100m range

Manufacturer	Part No	Quick Ref	Product Description
SAMSUNG TECHWIN DOME ACCESSORIES			
Samsung Techwin	**SBP-300B**	0615890	Wall bracket base, enables surface cable entry
Samsung Techwin	**SBP-300CM**	0552120	Pendant mount bracket, 305mm
Samsung Techwin	**SBP-300HM1**	0552130	Hanging mount adaptor type 1
Samsung Techwin	**SBP-300KM**	0552160	Corner mount adaptor for wall bracket
Samsung Techwin	**SBP-300LM**	0552140	Parapet mount
Samsung Techwin	**SBP-300PM**	0552150	Pole mount adaptor for wall bracket
Samsung Techwin	**SBP-300WM**	0552110	Wall mount bracket, swan style
Samsung Techwin	**SBP-300WM1**	0589140	Wall mount bracket
Samsung Techwin	**SBP-SCP/SN**	0594110	Swan neck bracket for use with the SCP external dome ranges
Samsung Techwin	**SHP-3701F**	0691500	Internal in ceiling housing, clear bubble
Samsung Techwin	**SHP-3701H**	0584940	External IP66 PTZ housing, ivory, aluminium & polycarbonate -50°C

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Videoswitch

D Videoswitch VI-D5030

- 800TVL analogue CMOR IR dome
- 150m IR range, 30x optical zoom
- BBV up-the-coax option
- PSU, wall bracket and cable included
- Swan-neck, corner, pendant and pole options
- Robust metal construction

	Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Bubble	Operating Temp	Power
	SIEMENS PTZ DOME RANGE																
	Siemens	**CCDA1445-DN36**	0625390	✓	✓	✓	✓	4	530 TVL	Col: 1.4 lux (F1.6; 1/50 s)	-	✓	-	-	-	0 to +50 °C	24V AC 3 10 %; 50 Hz

For Siemens accessories please see the IP PTZ dome section

	VIDEOSWITCH PTZ DOME RANGE																
D	Videoswitch	**Vi-D5030**	0697060	30X	RS485/COAX	220	4	8	800 TVL	0.1 lux	RS-485	✓	IP66	-	Metal enclosure	-40 to 60 °C	15-28V AC/DC

POSITIONING SYSTEMS

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	IK rating	Colour	Operating Temp	Power
POSITIONING SYSTEMS																
BOSCH MIC SERIES PTZ																
Bosch	**MIC-550ALB28P**	0602620	28:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9005	-40 to + 60°C	18V AC
Bosch	**MIC-550ALG28P**	0602630	28:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9006	-40 to + 60°C	18V AC
Bosch	**MIC-550ALW28P**	0602650	28:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9010	-40 to + 60°C	18V AC
Bosch	**MIC-550ALB36P**	0601860	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9005	-40 to + 60°C	18V AC
Bosch	**MIC-550ALG36P**	0602640	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9006	-40 to + 60°C	18V AC
Bosch	**MIC-550ALW36P**	0602660	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0.07 lux	TDN	✓	IP68	IK10	RAL 9010	-40 to + 60°C	18V AC
Bosch	**MIC-550IRB28P**	0601960	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9005	-40 to + 60°C	18V AC
Bosch	**MIC-550IRG28P**	0602680	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9006	-40 to + 60°C	18V AC
Bosch	**MIC-550IRW28P**	0602700	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9010	-40 to + 60°C	18V AC
Bosch	**MIC-550IRB36P**	0602670	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9005	-40 to + 60°C	18V AC
Bosch	**MIC-550IRG36P**	0602690	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9006	-40 to + 60°C	18V AC
Bosch	**MIC-550IRW36P**	0602710	36:1	Bosch, Pelco, Fvision	99	3	1 or 8 with optional alarm card	760-H	0 lux	TDN	✓	IP68	IK10	RAL 9010	-40 to + 60°C	18V AC

Manufacturer	Part No	Quick Ref	Product Description
BOSCH MIC SERIES PTZ POWER SUPPLY ACCESSORIES			
Bosch	**MIC-240PSU-2**	0606870	240V AC PSU for MICs PTZ dome (not IR)
Bosch	**MIC-24PSU-2**	0543450	24V AC PSU for MICs PTZ dome (not IR)
Bosch	**MIC-IR-240PSU-UL**	0538590	240V PSU, suitable IR lamps comes with wash pump and 4 alarm input card
Bosch	**MIC-IR-24PSU-UL**	0537320	24V PSU, suitable IR lamps comes with wash pump and 4 alarm input card
BOSCH MIC SERIES POWER SUPPLY ENCODER ACCESSORIES			
Bosch	**MIC-IPIR-PS-230**	0692060	MIC IR 230V power supply with IP encoder
BOSCH MIC SERIES PTZ CABLE ACCESSORIES			
Bosch	**MIC-CABLE-2M**	0536130	2m cable for MIC400/500 series composite cable with plug
Bosch	**MIC-CABLE-10M**	0535680	10m cable for MIC400/500 series composite cable with plug
Bosch	**MIC-CABLE-20M**	0248550	20m cable for MIC400/500 series composite cable with plug
Bosch	**MIC-CABLE-25m**	0245460	25m cable for MIC400/500 series composite cable with plug
BOSCH MIC SERIES PTZ BRACKET ACCESSORIES			
Bosch	**MIC-WMB-B**	0506530	Wall mount bracket MIC, black
Bosch	**MIC-WMB-W**	0529870	Wall mount bracket MIC, white
Bosch	**MIC-CMB**	0506540	Corner mount bracket, black
Bosch	**MIC-CMB-W**	0529980	Corner mount bracket, white
Bosch	**MIC-PMB**	0506600	Pole mount bracket, black
Bosch	**MIC-DCA**	0506560	Deep conduit adapter, black
Bosch	**MIC-DCA-W**	0519710	Deep conduit adapter, white
BOSCH MIC SERIES PTZ OTHER ACCESSORIES			
Bosch	**MIC-RWB**	0506610	Replacement wiper blade

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Presets	Tours	Alarm Inputs	Resolution	Sensitivity	Operation	WDR	IP rating	Operating Temp	Power
PELCO ESPIRIT SERIES PTZ														
Pelco	**ES4136-2N-X**	0615430	36:1	Pelco P, D, Coaxitron	256	8	0	540 TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	128x	IP66	-45 to +50°C	24V AC
Pelco	**ES4136-2W-X**	0615440	36:1	Pelco P, D, Coaxitron	256	8	0	540 TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	128x	IP 66	-45 to +50°C	24V AC
Pelco	**ES4136-5N-X**	0614450	36:1	Pelco P, D, Coaxitron	256	8	0	540 TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	128x	IP66	-45 to +50°C	240V AC
Pelco	**ES4136-5W-X**	0615450	36:1	Pelco P, D, Coaxitron	256	8	0	540 TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	128x	IP66	-45 to +50°C	240V AC
SAMSUNG PTZ POSITIONING SYSTEM														
Samsung Techwin	**SCU-2370**	0599160	27:1	Coax, RS485	255	6	3In/2Out	760H	0.2/0.02Lux	TDN	SSRD	IP66	-50 to +55°C	24V AC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

Manufacturer	Part No	Quick Ref	Lens	Telemetry	Resolution	Sensitivity	Operation	WDR	IP rating	Atex rating
SPECIALIST POSITIONING SYSTEMS										
Bosch	**MIC440AXBUD14636P**	0534920	36:1	Pelco	760H	0.1 lux	TDN	-	IP 68	Ex d IIC T6
Bosch	**VCN-9095-F111**	0695490	2mm	-	960H	0 lux	TDN	✓	IP 65	-
Pelco	**IPSXM3136-7X**	0628600	36:1	Pelco D, P, Coaxitron	540TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	✓	IP67	-
Pelco	**IPSXM3136-2X**	0737010	36:1	Pelco D, P, Coaxitron	540TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	✓	IP67	-
Pelco	**EHXM3136-2X**	0737020	36:1	Pelco D, P, Coaxitron	540TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	✓	IP67	-
Pelco	**EHXM3136-7X**	0737030	36:1	Pelco D, P, Coaxitron	540TVL	0.02 lux at 1/1.5 sec shutter, 0.45 lux at 1/50 sec shutter (color), 0.015 lux at 1/1.5 sec shutter (color),0.00015 lux at 1/1.5Sec Shutter (B/W)	TDN	✓	IP67	-
Samsung Techwin	**SCB-3020**	0566150	3.7mm	Coaxial	760H	0.45 lux at f2.0, 3.7mm lens, WDR, VPS, IVA, MD, DNR, Coax, 12V DC 50.2 x 40.2 x 53.3	S-D/N	54dB	-	-

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Manufacturer	Part No	Quick Ref	Product Description
BOSCH MIC SERIES THERMAL PTZ SYSTEM			
Bosch	**MIC-612TIALW36P**	0692430	Dual thermal MIC true 36x day night & 8.3Hz 35mm thermal imaging modules, white
Bosch	**MIC-612TIALG36P**	0629470	Dual thermal MIC true 36x day night & 8.3Hz 35mm thermal imaging modules, grey
Bosch	**MIC-612TIALB36P**	0620200	Dual thermal MIC true 36x day night & 8.3Hz 35mm thermal imaging modules, black
Bosch	**MIC-612TFALW36P**	0731750	Dual thermal MIC true 36x day night & 25Hz 35mm thermal imaging modules, white
Bosch	**MIC-612TFALG36P**	0731760	Dual thermal MIC true 36x day night & 25Hz 35mm thermal imaging modules, grey
Bosch	**MIC-612TFALB36P**	0731770	Dual thermal MIC true 36x day night & 25Hz 35mm thermal imaging modules, white
Bosch	**MIC-612HIALW36P**	0731780	Dual thermal MIC true 36x day night & 8.3Hz 50mm thermal imaging modules, white
Bosch	**MIC-612HIALD36P**	0731790	Dual thermal MIC true 36x day night & 8.3Hz 50mm thermal imaging modules, sand
Bosch	**MIC-612HIALB36P**	0606850	Dual thermal MIC true 36x day night & 8.3Hz 50mm thermal imaging modules, black
Bosch	**MIC-612HFALD36P**	0731800	Dual thermal MIC true 36x day night & 25Hz 50mm thermal imaging modules, sand
Bosch	**MIC-612HFALB36P**	0731810	Dual thermal MIC true 36x day night & 25Hz 50mm thermal imaging modules, black
BOSCH MIC SERIES THERMAL PTZ SYSTEM ACCESSORIES			
Bosch	**MIC-THERCBL-10M**	0606860	MIC612 shielded thermal camera cable, dual video 10m
Bosch	**MIC-THERCBL-25M**	0623030	MIC612 shielded thermal camera cable, dual video 25m
Bosch	**MIC-240PSU-2**	0606870	240V AC PSU for MICs PTZ
Bosch	**MIC-24PSU-2**	0543450	24V AC PSU for MICs PTZ

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Access to exclusive brands

Thanks to our reputation in the market and our depth of experience, a number of brands have opted to work with us on an entirely exclusive basis, greater enhancing the range and diversity of products we can offer you.

DID YOU KNOW?...

Largest choice of products in the industry

Constant product research and evaluation guarantees that Norbain's product range remains the most comprehensive and advanced in the industry. All aspects of security systems are available, including CCTV, Access Control and Intruder, as well as cabling and accessories.

CABLES
See page 262

MONITORS
See page 154

LICENCE PLATE CAPTURE

	Manufacturer	Part No	Quick Ref	Product Description
	LICENCE PLATE CAPTURE			
	BOSCH ANPR CAMERAS			
	Bosch	**VER-L2R3-1**	0621460	Dinion capture 5000 10.2m ANPR camera
	Bosch	**VER-L2R5-1**	0609420	Dinion capture 5000 21.3m ANPR camera
	Bosch	**VER-D2R4-1**	0608530	Dinion capture 7000 14.8m ANPR camera with overview
	Bosch	**VER-D2R5-1**	0608540	Dinion capture 7000 21.3m ANPR camera with overview
	Bosch	**VLR-4075-V511**	0704990	Advantage Line, ANPR IR bullet camera, 5-50mm, up to 20m
	VISTA VNPR CAMERAS			
A	Vista	**VNPRC6e**	0446350	3-6m range number plate recognition camera
	Vista	**VNPRC12e**	0446360	7-12m range number plate recognition camera
	Vista	**VNPRC18e**	0446370	11-18m range number plate recognition camera
	Vista	**VNPRC25e**	0446380	14-25m range number plate recognition camera
	Vista	**VNPRC35e**	0446390	23-35m range number plate recognition camera
	Vista	**VNPRCD12e**	0446400	7-12m range number plate recognition camera with overview
	Vista	**VNPRCD18e**	0446410	11-18m range number plate recognition camera with overview
	Vista	**VNPRCD25e**	0446420	14-25m range number plate recognition camera with overview
	Vista	**VNPRCD35e**	0446430	23-35m range number plate recognition camera with overview
	Vista	**VNPRCPSUe**	0446440	PSU for VNPRCe range
B	Vista	**VNPRBOLLARD5**	0470220	3-5m bollard camera
	Vista	**VNPRBOLLARD7**	0470230	5-7m bollard camera
	Vista	**VNPRBOLLARD10**	0470240	7-10m bollard camera
	Vista	**VNPRBOLLARD15**	0472060	10-15m bollard camera
	VISTA VNPR CAMERA ACCESSORIES			
	Vista	**VNPRCPAe**	0456880	Pole side mount bracket
	Vista	**VNPRCTMe**	0457050	Tower mount bracket
	Vista	**VNPRCCMe**	0457060	Ceiling mount bracket

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Flexibility by Design™

Flexibility by Design™

A Vista VNPRC

- Cameras preset to view lane width at specific distance
- Camera shuttering and LED illumination syncronized to achieve high read rate
- Upto 35m read ranges
- Day/Night overview camera option

B Vista VNPRBOLLARD

- Stainless steel rugged housing
- Cameras preset to view lane width at specific distance
- Camera shuttering and LED illumination syncronized to achieve high read rate
- Upto 15m read ranges

	Manufacturer	Part No	Quick Ref	Product Description
	VISTA VNPR			
	LICENCE PLATE CAPTURE CONTROLLERS			
C	Vista	**VNPR111Le**	0310350	1 lane Lite controller, including barrier control relays
	Vista	**VNPR211Le**	0310360	2 lane Lite controller, including barrier control relays
	Vista	**VNPR311Le**	0472600	3 lane Lite controller, including barrier control relays
	Vista	**VNPR411Le**	0472610	4 lane Lite controller, including barrier control relays
D	Vista	**VNPR1Pe**	0455030	1 lane Protos controller, including barrier control relays
	Vista	**VNPR2Pe**	0455040	2 lane Protos controller, including barrier control relays
	Vista	**VNPR3Pe**	0455050	3 lane Protos controller, including barrier control relays
	Vista	**VNPR4Pe**	0455060	4 lane Protos controller, including barrier control relays
	Vista	**VNPR5Pe**	0455070	5 lane Protos controller, including barrier control relays
	Vista	**VNPR6Pe**	0455080	6 lane Protos controller, including barrier control relays
	Vista	**VNPR7Pe**	0455090	7 lane Protos controller, including barrier control relays
	Vista	**VNPR8Pe**	0455100	8 lane Protos controller, including barrier control relays
	LICENCE PLATE CAPTURE SERVERS			
	Vista	**VNPRPSERVER**	0340480	2008 server for upto 40 clients
	Vista	**VNPRSERVERLITE**	0472680	Lite server for upto 5 clients
	LICENCE PLATE CAPTURE SOFTWARE MAINTENANCE			
	Vista	**VNPRCOMMSITE**	0098330	Site visit commissioning - Per day or part thereof
	Vista	**VNPRTRAIN**	0098320	Training session - Per day or part thereof
	Vista	**VNPR1SSU**	0310410	1 lane annual software maintenance
	Vista	**VNPR2SSU**	0310420	2 lane annual software maintenance
	Vista	**VNPR3SSU**	0310430	3 lane annual software maintenance
	Vista	**VNPR4SSU**	0310440	4 lane annual software maintenance

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

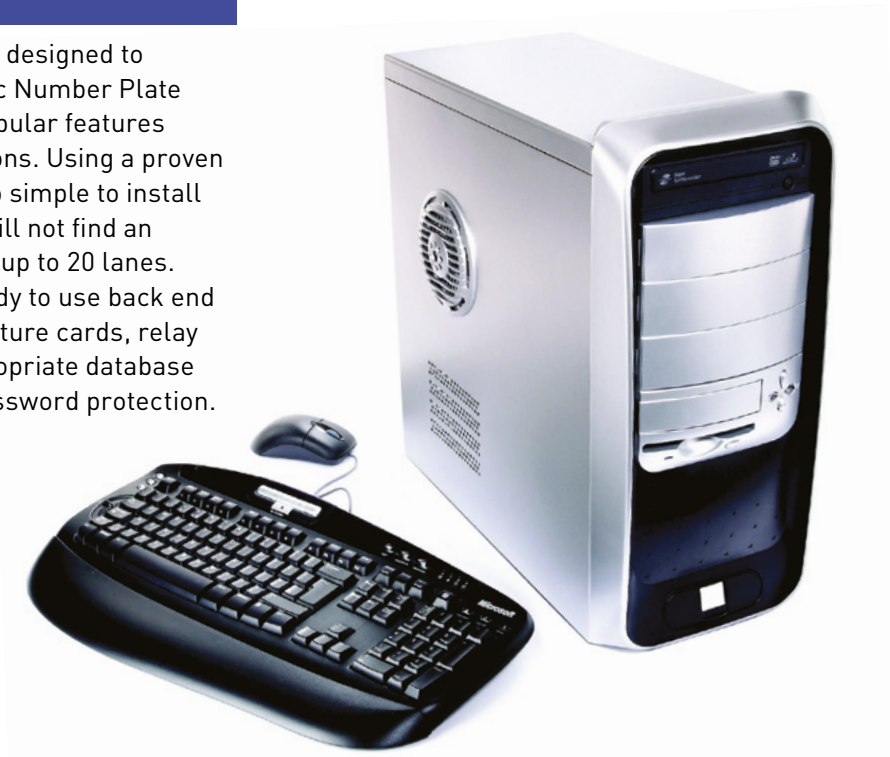
Customer visits with fully equipped Vista van

Remove any uncertainty in customers' minds by showing them exactly how products will function at their site. A well proven method of closing sales, the Vista van travels the length and breadth of the UK to bring CCTV to your customer's doors.

MONITORS
See page 154

C Vista VNPR111Le

The VNPR Lite has been specifically designed to take the complexity out of Automatic Number Plate Recognition (ANPR) by providing popular features needed for the majority of applications. Using a proven system, the VNPR Lite solution is so simple to install and use that we are confident you will not find an easier solution aimed at systems of up to 20 lanes. VNPR Lite provides a complete, ready to use back end solution for ANPR including PC, capture cards, relay card, keyboard, mouse and all appropriate database software with full audit trail and password protection.



VISTA
Flexibility by Design™

- Up to 20 lane system – using Lite server and five 4 lane controllers
- Best number plate engine in the market
- Live monitoring of traffic flow with database links
- Historical review of information
- Car park barrier control
- Log of all traffic movements with images
- Output to LED signs

VISTA VNPR

D Vista VNPR1Pe

The VNPR Protos range from Vista allows for fully integrated multi-lane systems and can control up to eight lanes of traffic via a single controller PC. For larger systems, the multiple units can be linked to a server which will hold a central database of all the information received.
This allows for a very cost effective method of capturing number plates for a wide variety of larger applications including car park barrier control, estate management and traffic flow monitoring.

- Rugged industrial chassis PC
- Best number plate engine in the market
- Up to 8 lanes on single controller
- Live monitoring of traffic flow with database links
- Historical review of information
- Car park barrier control
- Log of all traffic movements with images
- Output to LED signs

VISTA
Flexibility by Design™

Manufacturer	Part No	Quick Ref	Product Description
LICENCE PLATE CAPTURE			
VISTA VNPR CAMERAS			
Vista	**VNPRC6e**	0446350	3-6m range number plate recognition camera
Vista	**VNPRC12e**	0446360	7-12m range number plate recognition camera
Vista	**VNPRC18e**	0446370	11-18m range number plate recognition camera
Vista	**VNPRC25e**	0446380	14-25m range number plate recognition camera
Vista	**VNPRC35e**	0446390	23-35m range number plate recognition camera
Vista	**VNPRCD12e**	0446400	7-12m range number plate recognition camera with overview
Vista	**VNPRCD18e**	0446410	11-18m range number plate recognition camera with overview
Vista	**VNPRCD25e**	0446420	14-25m range number plate recognition camera with overview
Vista	**VNPRCD35e**	0446430	23-35m range number plate recognition camera with overview
Vista	**VNPRCPSUe**	0446440	PSU for VNPRCe range
Vista	**VNPRBOLLARD5**	0470220	3-5m bollard camera
Vista	**VNPRBOLLARD7**	0470230	5-7m bollard camera
Vista	**VNPRBOLLARD10**	0470240	7-10m bollard camera
Vista	**VNPRBOLLARD15**	0472060	10-15m bollard camera
VISTA VNPR CAMERA ACCESSORIES			
Vista	**VNPRCPAe**	0456880	Pole side mount bracket
Vista	**VNPRCTMe**	0457050	Tower mount bracket
Vista	**VNPRCCMe**	0457060	Ceiling mount bracket

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

RACK MOUNT CABINETS
See page 267

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

EXPERIENCE THE **NORBAIN ADVANTAGE**

WIDE RANGE OF PRODUCTS

- Largest choice of products in the industry
- Over £10 million stockholding
- Access to exclusive brands
- Home to the Vista brand
- One-stop-shop for all aspects of installation
- Continually evaluating the latest innovations and technologies

INDUSTRY-LEADING DISTRIBUTION

- Next day and timed deliveries
- Deliveries direct to site, or wherever suits you best
- Collection service
- Customer-specific logistics solutions
- World class logistics operation

FULL PORTFOLIO OF SERVICES

- Competitive training courses
- Pre-configuration service
- Repair service
- Simple and efficient returns procedures
- Demo rooms and conference facilities
- Customer visits with the fully equipped Vista van
- Free technical support on all products bought through Norbain

DEDICATED SALES TEAMS

- Dedicated, friendly sales teams with extensive industry experience
- Field-based and internal teams
- Excellent IP knowledge
- Highly accredited staff

To experience our service levels first-hand, get in touch using the contact details below:

EMAIL info@norbain.com
WEB norbain.com
NORTH 01253 894 488
SOUTH 0118 912 5000
NATIONAL ACCOUNTS 01253 887 824

NORBAIN

DVRs

DVRs 124
Vista DVRs 128
Xeno DVRs 130
HD-CVI 131
Mobile DVRs 131
DVR Accessories 132
Matrix Systems 133
Switchers/Quads 133

DVRS

Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
										HDMi	VGA	CVBS					
AMERICAN DYNAMICS DVRS																	
American Dynamics	**ADD40ALTPV050**	0607880	4	-	4CIF	100 ips	100 ips	✓	500GB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD80ADVPV050**	0583310	8	-	4CIF	200 ips	200 ips	✓	500GB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD80ADVPV100**	0515250	8	-	4CIF	200 ips	200 ips	✓	1TB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD80ALTPV050**	0606910	8	-	4CIF	200 ips	200 ips	✓	500GB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD60ADVPV050**	0519390	16	✓	4CIF	400 ips	400 ips	✓	500GB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD60ADVPV100**	0583160	16	✓	4CIF	400 ips	400 ips	✓	1TB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD60ADVPV200**	0583480	16	✓	4CIF	400 ips	400 ips	✓	2TB	-	SVGA	✓	DVD	✓	✓	per channel	✓
American Dynamics	**ADD60ALTPV050**	0429460	16	✓	4CIF	400 ips	400 ips	✓	500GB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60ALTPV200**	0561980	16	✓	4CIF	400 ips	400 ips	✓	2TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60AULPV10016ch**	0581750	16	✓	4CIF	400 ips	400 ips	✓	1TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60AULPV200**	0536870	16	✓	4CIF	400 ips	400 ips	✓	2TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60AULPV300**	0515230	16	✓	4CIF	400 ips	400 ips	✓	3TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60AULPV400**	0582940	16	✓	4CIF	400 ips	400 ips	✓	4TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD60AURPV300**	0519080	16	✓	4CIF	400 ips	400 ips	✓	3TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD6RADVPV050**	0616580	16	✓	4CIF	400 ips	400 ips	✓	500GB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADD6RADVPV100**	0515270	16	✓	4CIF	400 ips	400 ips	✓	1TB	-	SVGA	✓	✓	✓	✓	per channel	✓
American Dynamics	**ADTVRLT208050**	0629190	8	✓	4CIF	200 ips	200 ips	✓	500GB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRLT216100**	0697600	16	✓	4CIF	400 ips	400 ips	✓	1TB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRLT216200**	0697610	16	✓	4CIF	400 ips	400 ips	✓	2TB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRLT216400**	0697620	16	✓	4CIF	400 ips	400 ips	✓	4TB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRVS304000**	0730400	4	-	4CIF	100 ips	100 ips	✓	-	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRVS304050**	0730410	4	-	4CIF	100 ips	100 ips	✓	500GB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRVS304100**	0730420	4	-	4CIF	100 ips	100 ips	✓	1TB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRLT208100**	0697580	8	✓	4CIF	200 ips	200 ips	✓	1TB	-	-	✓	-	Via Software	✓	per channel	✓
American Dynamics	**ADTVRLT208200**	0697590	8	✓	4CIF	200 ips	200 ips	✓	2TB	-	-	✓	-	Via Software	✓	per channel	✓
BOSCH DVRS																	
Bosch	**DVR-3000-04A000**	0696670	4	-	960H	120 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-04A001**	0731820	4	-	960H	120 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-08A000**	0731830	8	-	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-08A001**	0731840	8	-	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-08A100**	0698010	8	-	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	1TB	✓	✓	✓	USB, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-16A000**	0731850	16	-	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-3000-16A001**	0731860	16	-	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	-	✓	In 16/ 3 Out	BVC
Bosch	**DVR-440-04A050**	0608460	4	-	4CIF	120 ips	30 ips@ 4CIF	In 1/1 Out	500GB	-	✓	-	USB, Network	-	✓	In 4/ 1 Out	BVC
Bosch	**DVR-5000-04A000**	0731870	4	✓	960H	120 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-04A001**	0731880	4	✓	960H	120 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-08A000**	0731890	8	✓	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-08A001**	0731900	8	✓	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-08A201**	0696230	8	✓	960H	240 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	2TB	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-16A000**	0731910	16	✓	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-16A001**	0731920	16	✓	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	-	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-16A200**	0696020	16	✓	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	2TB	✓	✓	✓	USB, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-5000-16A201**	0698580	16	✓	960H	480 ips	30 ips@960H	In 4/1 Out + 1 Mic Input	2TB	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 5 Out	BVC
Bosch	**DVR-670-08A101**	0697740	8	✓	4CIF	240 ips	30 ips@ 4CIF	In 4/2 Out	1TB	✓	✓	✓	USB, DVD, Network	✓	✓	In 8/ 4 Out	BVC
Bosch	**DVR-670-08A201**	0571860	8	✓	4CIF	240 ips	30 ips@ 4CIF	In 4/2 Out	2TB	✓	✓	✓	USB, DVD, Network	✓	✓	In 8/ 4 Out	BVC
Bosch	**DVR-670-16A200**	0621190	16	✓	4CIF	480 ips	30 ips@ 4CIF	In 4/2 Out	2TB	✓	✓	✓	USB, Network	✓	✓	In 16/ 4 Out	BVC
Bosch	**DVR-670-16A201**	0571870	16	✓	4CIF	480 ips	30 ips@ 4CIF	In 4/2 Out	2TB	✓	✓	✓	USB, DVD, Network	✓	✓	In 16/ 4 Out	BVC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

Manufacturer	Part No	Quick Ref	Inputs 4, 8, 16, etc	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs	Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
PELCO DVRS															
Pelco	**DX4104DVD-500**	0521880	4	✓	4CIF	25IPS at CIF; 12.5 ips at 2CIF; 6.25 ips at 4CIF (PAL)	Up to 25 ips (PAL)	✓	500GB	1 analogue spot monitor	Yes - export video	-	✓	4 in & 1 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR
Pelco	**DX4716-2000**	0566870	16+2IP	✓	4CIF on analog, 3MPx on IP	25IPS at CIF; 12.5 ips at 2CIF; 6 ips at 4CIF (PAL)	Up to 25 ips (PAL)	✓	2TB	1 analogue spot monitor; 1 VGA; 1080p on client	Yes - export video	✓	✓	16 in & 4 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR
Pelco	**DX4816-1000**	0588800	16+2IP	✓	4CIF on analog, 3MPx on IP	25 ips on analog at all resolution (PAL)	Up to 25 ips (PAL)	✓	1TB	1 analogue spot monitor; 1 VGA; 1080p on client	Yes - export video	✓	✓	16 in & 4 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR
Pelco	**DX4816-2000**	0590330	16+2IP	✓	4CIF on analog, 3MPx on IP	25 ips on analog at all resolution (PAL)	Up to 25 ips (PAL)	✓	2TB	1 analogue spot monitor; 1 VGA; 1080p on client	Yes - export video	✓	✓	16 in & 4 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR
Pelco	**DX4816-4000**	0588730	16+2IP	✓	4CIF on analog, 3MPx on IP	25 ips on analog at all resolution (PAL)	Up to 25 ips (PAL)	✓	4TB	1 analogue spot monitor; 1 VGA; 1080p on client	Yes - export video	✓	✓	16 in & 4 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR
Pelco	**DX4816HD-4000**	0607950	16+8IP	✓	4CIF on analog, 3MPx on IP	25 ips on analog at all resolution (PAL)	Up to 25 ips (PAL)	✓	4TB	1 analogue spot monitor; 1 VGA; 1080p on client	Yes - export video	✓	✓	16 in & 4 out	Linux on server; Windows on client; Client software at no cost and able to connect multiple DX series DVR/HVR

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Largest choice of products in the industry

Constant product research and evaluation guarantees that Norbain's product range remains the most comprehensive and advanced in the industry. All aspects of security systems are available, including CCTV, Access Control and Intruder, as well as cabling and accessories.

MONITORS
See page 154

RACK MOUNT CABINETS
See page 267

DVRS

	Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
											HDMi	VGA	CVBS					
	SAMSUNG TECHWIN DVRS																	
	Samsung Techwin	**SRD-443**	0715080	4	-	480 TVL	25 ips	100 ips	4ch	Max 1HDD (4TB)	✓	-	✓	USB, DVD, Network	✓	RS485	4 in/2 out	SmartViewer/SSM/ WebViewer
A	Samsung Techwin	**SRD-476D 1TB**	0738480	4	✓	1280H	100 ips	100 ips	4ch	Max 1HDD (4TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	4 in/2 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-873D**	0657660	8	-	960H	200 ips	200 ips	8ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-876D 1TB**	0738490	8	✓	1280H	200 ips	200 ips	8ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-1653D**	0657650	16	-	960H	200 ips	400 ips	16ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-1673D**	0657640	16	-	960H	400 ips	400 ips	16ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-1656D 1TB**	0738500	16	✓	1280H	100 ips	400 ips	16ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	SmartViewer/SSM/ WebViewer
B	Samsung Techwin	**SRD-1676D 1TB**	0738510	16	✓	1280H	400 ips	400 ips	16ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-1654D**	0700290	16	-	960H	100 ips	400 ips	4ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	RS485	16 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-1642**	0715090	16	-	960H	400 ips	400 ips	4ch	Max 2HDD (8TB)	✓	✓	-	USB, Network	-	Coax, RS485	16 in/2 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-854D**	0714830	8	-	960H	50 ips	200 ips	4ch	Max 4HDD (16TB)	✓	✓	-	USB, DVD, Network	✓	RS485	8 in/4 out	SmartViewer/SSM/ WebViewer
	Samsung Techwin	**SRD-842**	0715100	8	-	960H	200 ips	200 ips	4ch	Max 1HDD (4TB)	✓	✓	-	USB, Network	-	Coax, RS485	8 in/2 out	SmartViewer/SSM/ WebViewer

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Samsung Techwin SRD-476D 1TB

Samsung Techwin's new Beyond Series 1280H, offer a complete range of models from 4 channel, 8 channel & 16 channel models real-time models. Although they record 1000TVL quality images they are still PAL standard that means that they are interoperable with existing analogue CCTV systems. Packed with great features such as Full HD output from the HDMI connection, tamper alarm on each video input, coaxial control, fully compatible with Samsung's viewing software, SmartViewer and SSM allowing them to form a hybrid solution of both DVRs and NVRs if required.

- 4, 8 & 16 Channel 1280H PAL standard
- Easy to upgrade HDDs
- Tamper alarm
- Coaxial control PTZ and static cameras
- Audio one per camera input
- Alarms one per camera input
- 32Mbps for smooth network connections

SAMSUNG TECHWIN

B Samsung Techwin SRD-1676D 1TB

- 4, 8 & 16 channel 1280H (950 TVL) real-time DVR with loop-through
- Privacy mask support for each channel (4ea)
- Convenient with strong network monitoring
- Accurate still image (de-Interlace support each channel)
- VGA/HDMI for Full-HD (1080p) resolution video out
- Max. 4 internal HDDs
- Digital video spot (2ea), USB (2ports) back up

SAMSUNG TECHWIN

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

SIEMENS DVRS

Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs	Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
Siemens	**Vectis AX4**	0739040	4	✓	1080p	Real-time: up to 100 ips @D1 (PAL), up to 120 ips @D1 (NTSC) 960H: max. 100/200/400 ips @960H (960 x 576, PAL) max. 120/240/480 ips @960H (960 x 480, NTSC)	"Full Duplex: up to 100 ips @CIF (PAL), up to 120 ips @CIF (NTSC) 960H: max. 67 ips @960H (960 x 576, PAL) max. 80 ips @ 960H (960 x 480, NTSC)"	4 line in, 1 line out	Supplied with 1TB, expandable up to 7TB	1 HDMI: 1920x1080, 1440x900, 1280x1024	-	-	✓	✓	-
Siemens	**Vectis AX8**	0739050	8	✓	1080p	Real-time: up to 200 ips @D1 (PAL), up to 240 ips @D1 (NTSC) 960H: max. 100/200/400 ips @960H (960 x 576, PAL) max. 120/240/480 ips @960H (960 x 480, NTSC)	"Full Duplex: up to 200 ips @CIF (PAL), up to 240 ips @CIF (NTSC) 960H: max. 67 ips @960H (960 x 576, PAL) max. 80 ips @ 960H (960 x 480, NTSC)"	4 line in, 1 line out	Supplied with 1TB, expandable up to 7TB	1 VGA: 1920x1080, 1440x900, 1280x1024	-	-	✓	✓	-
Siemens	**Vectis AX16**	0739060	16	✓	1080p	Real-time: up to 400 ips @D1 (PAL), up to 480 ips @D1 (NTSC) 960H:max. 100/200/400 ips @960H (960 x 576, PAL) max. 120/240/480 ips @960H (960 x 480, NTSC)	"Full Duplex: up to 400 ips @ CIF (PAL), up to 480 ips @CIF (NTSC)960H:max. 67 ips @960H (960 x 576, PAL) max. 80 ips @ 960H (960 x 480, NTSC)"	4 line in, 1 line out	Supplied with 1TB, expandable up to 7TB	1 Composite (SPOT): 720x576 (PAL) or 720x480 (NTSC)	-	-	✓	✓	-

VIDEOSWITCH DVRS

Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
										HDMI	VGA	CVBS					
Videoswitch	**Vi-R3081T1**	0739530	8	-	1080p	80 ips	Real-Time	1ch	1TB	✓	✓	✓	USB, Network	✓	RS485	✓	✓
Videoswitch	**Vi-R3001T1**	0739540	16	-	1080p	160 ips	Real-Time	1ch	1TB	✓	✓	✓	USB, Network	✓	RS485	✓	✓
Videoswitch	**Vi-R3005T1**	0695710	16	-	1080p	160 ips	Real-Time	1ch	1TB	✓	✓	✓	USB, DVD, Network	✓	RS485	✓	✓
Videoswitch	**VI-R3005T2**	0739550	16	-	1080p	160 ips	Real-Time	1ch	2TB	✓	✓	✓	USB, DVD, Network	✓	RS485	✓	✓
Videoswitch	**VI-R3005T4**	0739560	16	-	1080p	160 ips	Real-Time	1ch	4TB	✓	✓	✓	USB, DVD, Network	✓	RS485	✓	✓
C Videoswitch	**Vi-R4005T1**	0617280	16	-	1080p	400 ips	Real-Time	16ch	1TB	✓	✓	✓	USB, DVD, Network	✓	Coax, RS485	✓	✓
Videoswitch	**Vi-R4005T2**	0617290	16	-	1080p	400 ips	Real-Time	16ch	2TB	✓	✓	✓	USB, DVD, Network	✓	Coax, RS485	✓	✓
Videoswitch	**Vi-R4005T4**	0624930	16	-	1080p	400 ips	Real-Time	16ch	4TB	✓	✓	✓	USB, DVD, Network	✓	Coax, RS485	✓	✓
Videoswitch	**Vi-R4005T8**	0739570	16	-	1080p	400 ips	Real-Time	16ch	8TB	✓	✓	✓	USB, DVD, Network	✓	Coax, RS485	✓	✓

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

Videoswitch

C Videoswitch Vi-R4005T1

- Analogue/Hybrid DVR, up to 16Tbytes
- 16x analogue cameras, real-time
- Upgrade option for 32x 1.3 to 5MPixel IP cameras
- Dual multi-screen, VGA , HDMI, DVI, 4x BNC outputs
- Keyboards supported with remote mouse and VGA
- Free viewers and smart-phone App's

KEYBOARDS
See page 132

MONITORS
See page 154

VISTA DVRS

	Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
											HDMI	VGA	CVBS					
	VISTA QUANTUM PLUS 960H DVRS																	
A	Vista	**QP960H04-1TB**	0656440	4	✓	960H	100 ips	100 ips	4ch	1TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	4 in/4 out	Client, CMS, App
	Vista	**QP960H04-2TB**	0656450	4	✓	960H	100 ips	100 ips	4ch	2TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	4 in/4 out	Client, CMS, App
	Vista	**QP960H08-1TB**	0656790	8	✓	960H	200 ips	100 ips	4ch	1TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QP960H08-2TB**	0656460	8	✓	960H	200 ips	100 ips	4ch	2TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QP960H08-3TB**	0700270	8	✓	960H	200 ips	100 ips	4ch	3TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QP960H08-4TB**	0656470	8	✓	960H	200 ips	100 ips	4ch	4TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QP960H08-6TB**	0656480	8	✓	960H	200 ips	100 ips	4ch	6TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QP960H16-1TB**	0656490	16	✓	960H	400 ips	100 ips	4ch	1TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-2TB**	0658290	16	✓	960H	400 ips	100 ips	4ch	2TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-3TB**	0656500	16	✓	960H	400 ips	100 ips	4ch	3TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-4TB**	0658300	16	✓	960H	400 ips	100 ips	4ch	4TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-6TB**	0656510	16	✓	960H	400 ips	100 ips	4ch	6TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-9TB**	0656520	16	✓	960H	400 ips	100 ips	4ch	9TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QP960H16-12TB**	0656530	16	✓	960H	400 ips	100 ips	4ch	12TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

RACK MOUNT CABINETS
See page 267

KEYBOARDS
See page 132

A Vista QP960H04-1TB

The Quantum Plus 960H range of DVRs offer real time recording at HD quality, providing an increase of up to 25% in image quality (when used with matching 960H (700 TVL) cameras) on recorded images compared to D1 DVRs. This is achieved with no extra overhead on storage. These class leading DVRs allow users to upgrade to HD imagery on an analogue platform plus are fully backwards compatible with all existing analogue cameras. These powerful DVRs provide telemetry control of PTZ cameras and domes via RS485 or coaxial telemetry direct from front panel controls, mouse, remote keyboard or client software. The inclusion of an HDMI main monitor output ensures high quality images, plus 2 programmable spot monitors allow for extremely flexible user displays allowing Individual monitors to be set up to respond to specific events and use the required sequence pattern.

- 960H technology (700 TVL recording)
- 4, 8 and 16 channel options
- Up to 12TB internal storage
- RS485 and coax telemetry
- Remote keyboard
- 16 Alarm inputs
- 4 Audio inputs
- HDMI and VGA monitor outputs
- FOC software and remote Apps

HD 960H

VISTA
Flexibility by Design™

VISTA QUANTUM XTRA 960H DVRS

	Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
											HDMI	VGA	CVBS					
B	Vista	**QX960H08-1TB**	0658310	8	✓	960H	200 ips	400 ips	8ch	1TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QX960H08-2TB**	0658320	8	✓	960H	200 ips	400 ips	8ch	2TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QX960H08-4TB**	0658330	8	✓	960H	200 ips	400 ips	8ch	4TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QX960H08-6TB**	0656550	8	✓	960H	200 ips	400 ips	8ch	6TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	8 in/4 out	Client, CMS, App
	Vista	**QX960H16-1TB**	0658340	16	✓	960H	400 ips	400 ips	16ch	1TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QX960H16-2TB**	0658350	16	✓	960H	400 ips	400 ips	16ch	2TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QX960H16-4TB**	0658360	16	✓	960H	400 ips	400 ips	16ch	4TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QX960H16-6TB**	0656570	16	✓	960H	400 ips	400 ips	16ch	6TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QX960H16-8TB**	0656580	16	✓	960H	400 ips	400 ips	16ch	8TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App
	Vista	**QX960H16-12TB**	0656590	16	✓	960H	400 ips	400 ips	16ch	12TB	✓	✓	-	USB, DVD, Network	✓	Coax, RS485	16 in/4 out	Client, CMS, App

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

One-stop-shop for all aspects of installation

There's no need to spend time and money shopping around multiple suppliers. Norbain has everything you need, from the most complex of systems to the smallest of accessories.

B Vista QX960H08-1TB

The Quantum Xtra 960H range of DVRs offer real time recording at HD quality, providing an increase of up to 25% in image quality (when used with matching 960H (700 TVL) cameras) on recorded images compared to D1 DVRs. This is achieved with no extra overhead on storage. These class leading DVRs allow users to upgrade to HD imagery on an analogue platform plus are fully backwards compatible with all existing analogue cameras. These powerful DVRs provide telemetry control of PTZ cameras and domes via RS485 or coaxial telemetry direct from front panel controls, mouse, remote keyboard or client software. The inclusion of an HDMI main monitor output ensures high quality images, plus 2 programmable spot monitors allow for extremely flexible user displays allowing Individual monitors to be set up to respond to specific events and use the required sequence pattern.

- 960H technology (700 TVL recording)
- 4, 8 and 16 channel options
- Up to 16TB internal storage with eSata for expansion
- RS485 and Coax telemetry
- Remote keyboard
- 16 alarm inputs
- Audio input per channel
- HDMI and VGA monitor outputs
- FOC software and remote Apps

VISTA
Flexibility by Design™

HD 960H

XENO DVRS

	Manufacturer	Part No	Quick Ref	Inputs	Loop Through	Max Resolution	Record frame rate	Display frame rate	Audio	Storage	Main Monitor Outputs			Archive	Remote Keyboard	PTZ Control	Alarm In/Out	Software
											HDMi	VGA	CVBS					
	XENO 960H DVRS																	
A	Xeno	**XDR960-04-1TB**	0703160	4	-	960H	100 ips	400 ips	1ch	1TB	✓	-	✓	USB, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR960-08-1TB**	0703170	8	-	960H	200 ips	400 ips	4ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	8 in/1 out	Client, CMS, App
	Xeno	**XDR960-08-3TB**	0703180	8	-	960H	200 ips	400 ips	4ch	3TB	✓	✓	✓	USB, DVD, Network	-	RS485	8 in/1 out	Client, CMS, App
	Xeno	**XDR960-16-1TB**	0703190	16	-	960H	400 ips	400 ips	4ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/1 out	Client, CMS, App
	Xeno	**XDR960-16-3TB**	0703200	16	-	960H	400 ips	400 ips	4ch	3TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/1 out	Client, CMS, App
	Xeno	**XDR960-16-6TB**	0703210	16	-	960H	400 ips	400 ips	4ch	6TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/1 out	Client, CMS, App
	XENO DVRS																	
	Xeno	**XDR5C04-500**	0656610	4	✓	CIF	100 ips	400 ips	1ch	500GB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C04-1TB**	0656620	4	✓	CIF	100 ips	400 ips	1ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C08-500**	0656630	8	✓	CIF	200 ips	400 ips	1ch	500GB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C08-1TB**	0656640	8	✓	CIF	200 ips	400 ips	1ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C08-2TB**	0656650	8	✓	CIF	200 ips	400 ips	1ch	2TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C16-1TB**	0656660	16	✓	CIF	400 ips	400 ips	1ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C16-3TB**	0656670	16	✓	CIF	400 ips	400 ips	1ch	3TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5C16-6TB**	0656680	16	✓	CIF	400 ips	400 ips	1ch	6TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5D04-500**	0656700	4	✓	D1	100 ips	400 ips	4ch	500GB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5D04-1TB**	0656710	4	✓	D1	100 ips	400 ips	4ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	4 in/1 out	Client, CMS, App
	Xeno	**XDR5D08-500**	0656720	8	✓	D1	200 ips	400 ips	4ch	500GB	✓	✓	✓	USB, DVD, Network	-	RS485	8 in/4 out	Client, CMS, App
	Xeno	**XDR5D08-1TB**	0656730	8	✓	D1	200 ips	400 ips	4ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	8 in/4 out	Client, CMS, App
	Xeno	**XDR5D08-3TB**	0656740	8	✓	D1	200 ips	400 ips	4ch	3TB	✓	✓	✓	USB, DVD, Network	-	RS485	8 in/4 out	Client, CMS, App
	Xeno	**XDR5D16-1TB**	0656750	16	✓	D1	400 ips	400 ips	4ch	1TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/4 out	Client, CMS, App
	Xeno	**XDR5D16-3TB**	0656760	16	✓	D1	400 ips	400 ips	4ch	3TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/4 out	Client, CMS, App
	Xeno	**XDR5D16-6TB**	0656770	16	✓	D1	400 ips	400 ips	4ch	6TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/4 out	Client, CMS, App
	Xeno	**XDR5D16-9TB**	0656780	16	✓	D1	400 ips	400 ips	4ch	9TB	✓	✓	✓	USB, DVD, Network	-	RS485	16 in/4 out	Client, CMS, App

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Xeno XDR960 DVRs

The Xeno XDR960 real time DVRs offer feature-rich range of DVRs at a very cost effective price. The using the latest 960H recording technology allows an impressive 700 TVL recorded resolution. Other features included across all models in the range include: real time recording of all video inputs, multiprotocol RS485 telemetry control for PTZ domes via mouse, front panel, IR remote and client software supplied free of charge with each DVR.

- 960H technology (700 TVL recording)
- 4, 8 and 16 channel options
- Real time recording
- RS485 telemetry control
- Built in DVD writer (8 and 16 channel versions only)
- Client Software supplied FOC
- iOS and Android apps available

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

Manufacturer	Part No	Quick Ref	Product Description
FLIR MPX HD-CVI DVRS			
FLIR Systems	**M32041**	0734790	MPX HD recorder 4ch, 720p 30ips, 1080p 15ips, 960H 30ips, 1TB FLIR cloud, Syncro C VMS
FLIR Systems	**M32081**	0734800	MPX HD recorder 8ch, 720p 30ips, 1080p 15ips, 960H 30ips, 1TB FLIR cloud Syncro C VMS
FLIR Systems	**M32161**	0734810	MPX HD recorder 16ch, 720p 30ips, 1080p 15ips, 960H 30ips, 1TB FLIR cloud Syncro C VMS
FLIR Systems	**M42042**	0734820	MPX HD recorder 4ch, 1080p, 720p, 960H 30ips, 2TB FLIR cloud Syncro C VMS
FLIR Systems	**M42082**	0734830	MPX HD recorder 8ch, 1080p, 720p, 960H 30ips, 2TB FLIR cloud Syncro C VMS
NOTE: THESE RECORDERS WILL TAKE CVI AND STANDARD DEFINITION ANALOGUE CAMERAS			
MPX 720P CAMERAS - FOR USE WITH MPX DVRS AND ANALOGUE DVRS			
FLIR Systems	**C233BC**	0734840	MPX 1.3MP IR bullet, 3.6mm, smart IR, IP66, 960H/720p dual BNC output, OSD, 12V DC
FLIR Systems	**C233EC**	0734850	MPX 1.3MP IR eyeball dome, 3.6mm, smart IR, IP66, 960H/720p dual BNC output, OSD, 12V DC
FLIR Systems	**C234BC**	0734860	MPX 1.3MP varifocal IR bullet, 2.8-12mm, smart IR, IP66, dual BNC output, OSD, 12V DC/24V AC
FLIR Systems	**C234EC**	0734870	MPX 1.3MP varifocal IR eyeball dome, 2.8-12mm, smart IR, IP66, 960H/720p dual BNC output, OSD, 12V DC/24V AC
FLIR Systems	**C336ZC1**	0734910	MPX 1.3MP 12x PTZ, 255 presets, 5 auto scan, 8 tour, 5 pattern, heater, DWDR, OSD, 24V AC
MPX 1080P CAMERAS - FOR USE WITH MPX DVRS & ANALOGUE DVRS			
FLIR Systems	**C233BD**	0734920	MPX 2.1MP IR bullet, 3.6mm, smart IR, IP66, 960H/1080p dual BNC output, OSD, 12V DC
FLIR Systems	**C233ED**	0734930	MPX 2.1MP IR eyeball dome, 3.6mm, smart IR, IP66, 960H/1080p dual BNC output, OSD, 12V DC
FLIR Systems	**C237BD**	0734960	MPX 2.1MP motorised VF IR bullet, 2.7-12mm, smart IR, IP66, 960H/1080p dual BNC output, OSD, 12V DC/24V AC
FLIR Systems	**C237ED**	0734970	MPX 2.1MP motorised VF IR eyeball dome, 2.7-12mm, smart IR, IP66, 960H/1080p dual BNC output, OSD, 12V DC/24V AC
FLIR Systems	**C336ZD3**	0734990	MPX 2.1MP 30x IR PTZ, 70m+ IR Nightvision, 255 presets, 5 auto scan, 8 tour, 5 pattern, heater, DWDR, OSD, 24V AC

Manufacturer	Part No	Quick Ref	Product Description
TIMESPACE SERIES OF MOBILE CCTV RECORDERS			
Timespace	**T504**	0215130	Mobile recorder X200-04, 4 channel, upto 500GB, 2 audio, IP50, 25 ips
Timespace	**T401-160**	0275820	160GB hard drive for X100 and X200 recorders
Timespace	**T401-320**	0696550	320GB hard disk cartridge X200
Timespace	**T601-500**	0604400	500GB hard disk cartridge X300
Timespace	**T408**	0324010	Vehicle anti vibration kit
Timespace	**T505-USB**	0407750	X200 USB kit PC link suite
Timespace	**T605-USB**	0604420	X300 USB kit PC link suite
Timespace	**T604**	0604410	Mobile recorder X300-04, 4 channel up to 1TB, 2 audio input, D1, 200 ips
Timespace	**T702**	0614770	Reviewer X301, for setting up Timespace recorders and reviewing footage

PLEASE SEE THE TRANSMISSION SECTION FOR THE VISTA SMART MOBILE PRODUCTS. PAGE 138

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Customer-specific logistics solutions

From eco-site compatibility to next day delivery in the UK & Ireland or air freight world wide, we're geared around understanding your requirements, and meeting them.

CABLES
See page 262

DVR ACCESSORIES

Manufacturer	Part No	Quick Ref	Product Description
HARD DISK DRIVES			
Seagate	**ST1000VX000**	0606270	1TB SV35.5 Seagate CCTV use HDD
Seagate	**ST2000VX000**	0606310	2TB SV35.5 Seagate CCTV use HDD
Seagate	**ST3000VX000**	0606320	3TB SV35.5 Seagate CCTV use HDD
Western Digital	**WD10PURX**	0702760	1TB purple series surveillance grade HDD
Western Digital	**WD20PURX**	0702770	2TB purple series surveillance grade HDD
Western Digital	**WD30PURX**	0702780	3TB purple series surveillance grade HDD
Western Digital	**WD40PURX**	0702790	4TB purple series surveillance grade HDD
DVR STORAGE			
Bosch	**DVR-XS100-A**	0555570	DVR 600, 3000 and 5000 storage expansion 1TB
Bosch	**DVR-XS200-A**	0555580	DVR 600, 3000 and 5000 storage expansion 2TB
Bosch	**DVR-XS300-A**	0731930	DIVAR 3000 and 5000 storage expansion 3TB
Samsung Techwin	**HDD-1TB**	0530880	1TB SATA HDD kit for Samsung DVR/NVR
Samsung Techwin	**HDD-2TB**	0520980	2TB SATA HDD kit for Samsung DVR/NVR
Samsung Techwin	**HDD-3TB**	0609300	3TB SATA HDD kit for Samsung DVR/NVR
Samsung Techwin	**SVS-5E**	0387300	eSATA storage extension unit, upto 4 HDDs (JBOD), rack mount
Samsung Techwin	**SVS-5R**	0531040	eSATA RAID (0, 1 or 5) storage extension unit, up to 4 HDDs, rack mount
DVR KEYBOARDS			
Samsung Techwin	**SPC-2010**	0655640	PTZ/DVR system controller, 3D joystick control, LCD display
Samsung Techwin	**SPC-6000**	0544710	PTZ/DVR system controller, 3D joystick control, 5" TFT touch LCD display
Siemens	**HX- keyboard**	0609160	Vectis HX keyboard controller for both analogue & IP devices
Videoswitch	**Vi-K1000V**	0739580	R-Series keyboard, supports remote mouse and VGA
Videoswitch	**Vi-K2005**	0701580	Joystick keyboard with BNC, amplifier, coax control
Videoswitch	**Vi-K2005V**	0739590	Joystick keyboard with BNC, coax telemetry, VGA, mouse
Videoswitch	**Vi-K1**	0228450	Keyboard with BNC monitor output (Vi series)
Videoswitch	**VI-K1000**	0694480	R-Series keyboard with mouse and VGA
Vista	**VKDB4**	0363570	DVR joystick keyboard controller with colour LCD display
DVR SOFTWARE			
American Dynamics	**ADDSNC50**	0611350	Intellex V5 Network client software 1 license
American Dynamics	**ADDSNCVMK**	0326020	Intellex Network Client, virtual matrix/keyboard control, single license
American Dynamics	**ADDSNCVMKUL**	0326030	Intellex Network Client, virtual matrix/keyboard control, unlimited license
DVR ARCHIVE MEDIA			
Fuji Tapes	**P10DCRCA06A**	0249050	CD-R jewel case x 10 pack (700MB 52x)
Fuji Tapes	**P10DCRCA14A**	0335790	CD-R 700MB 52-speed 25 disk spindle (subject to min. order quantity)
Fuji Tapes	**P10DCRCAK0A**	0190180	Digital evidence kit - CD-Rs x50 (25 incidents), log book, 25 evidence bags, 25 x jewel cases, 25 slimline cases, CD friendly marker pen
Fuji Tapes	**P10DVMHAK0A**	0239810	Digital evidence kit - DVD-R x 50 (25 incidents), log book, 25 evidence bags, 25 x jewel cases, 25 x slimline cases, DVD friendly marker pen
Fuji Tapes	**P10D90115FA**	0563550	SDHC 16GB class 10 (10Mbps write)
Fuji Tapes	**P10DVMGY10A**	0346520	DVD-R 4.7GB, 16 x 25 disc spindle
Fuji Tapes	**P10VVHIA00A**	0016540	3 hour E-180 VHS HQ+ video tape
VeriFi FMS	**EDP1530DVD**	0658270	Budget evidence download pack, 20 pairs of serially numbered DVD-Rs
VeriFi FMS	**ID25/50CD**	0416590	Evidence download pack, 25 pairs of serially numbered CDs & docs
VeriFi FMS	**MDP1530DVD**	0658240	DVD-R compliance management & evidence download manual
VeriFi FMS	**EDP1530CD**	0739490	Budget evidence download pack, 20 pairs of serially numbered DVD-Rs
VeriFi FMS	**MDP1530CD**	0739500	CD Compliance management & evidence download manual
VeriFi FMS	**ID25/50DVD**	0739510	Evidence download pack, 25 pairs of serially numbered DVD-Rs & docs
OTHER ACCESSORIES			
Bosch	**DVR-XS-DVD**	0731940	DVD writer expansion kit
Vista	**SW2**	0692850	2 x HDMI & alarm input switcher, provides single monitor operation for 2 QP960 series DVRs
Vista	**SW4**	0692860	3 x HDMI & alarm input switcher, provides single monitor operation for 4 QP960 series DVRs
Vista	**SW6**	0692870	4 x HDMI & alarm input switcher, provides single monitor operation for 6 QP960 series DVRs
Vista	**SW8**	0692890	5 x HDMI & alarm input switcher, provides single monitor operation for 8 QP960 series DVRs
Vista	**QBOX**	0473150	DVR lockable box

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

	Manufacturer	Part No	Quick Ref	Product Description
	BBV MATRIX SYSTEMS			
	BBV	**TX1000/16/MK2/DC**	0385770	Telemetry transmitter for 16 cameras with 2 monitor outputs and joystick keyboard
	BBV	**TX1500/16/8**	0225490	Telemetry matrix and keypad, 16 camera, 8 monitor
	BBV	**TX1500/32/8**	0225510	Telemetry matrix and keypad, 32 camera, 8 monitor
	BBV	**TX1500/48/8**	0128680	Telemetry matrix and keypad, 48 camera, 8 monitor
	BBV	**TX1500/64/8**	0252970	Telemetry matrix and keypad, 64 camera, 8 monitor
A	BBV	**TX1500/96/8**	0306920	Telemetry matrix and keypad, 96 camera, 8 monitor
B	BBV	**FBM/256/16**	0731560	FBM matrix and telemetry controller 256 camera inputs, 16 monitor outputs
	BBV	**TX1500/KBD**	0128100	3-axis joystick keyboard (BBV TX1500 & FBM)
	BBV	**TX1000/16/MU**	0453250	16 channel matrix unit only
	BBV	**PSU2**	0517460	PSU for TX1500 matrix
	PELCO MATRIX SYSTEMS			
	Pelco	**CM6700-MXB2-X**	0136940	CM6700 Matrix, 16 inputs x2 outputs, 230V AC
	Pelco	**CM6800-96X16-X**	0173470	CM6800 Matrix switcher/controller 96x16-X
	Pelco	**CM6800E-48X8-X**	0165860	CM6800E Matrix switcher/controller 48x8-X, expandable
	Pelco	**KBD300A**	0136910	Keyboard vari-speed joystick for matrix/dome control
	Pelco	**KBDKIT-X**	0136990	KBD300A remote keyboard wiring kit comes with PSU
	PTZ CONTROLLER			
	Samsung Techwin	**SPC-1010**	0551970	3 axis joystick PTZ keyboard, mutliprotocol
	Vista	**VKBD1**	0446190	Standalone PTZ control keyboard, 3 axis joystick, mutliprotocol RS485/422

	Manufacturer	Part No	Quick Ref	Product Description
	SWITCHERS			
	Vista	**VS042**	0315850	Switcher with 4 camera inputs, 2 monitor outputs
	Vista	**VS042A**	0315860	Switcher with 4 camera inputs, 2 monitor outputs, alarms
	Vista	**VS082**	0315870	Switcher with 8 camera inputs, 2 monitor outputs
	Vista	**VS082A**	0315880	Switcher with 8 camera inputs, 2 monitor outputs, alarms
	QUADS			
	Videoswitch	**Vi-P14A**	0507780	Video processor, 4 input, screen splitter Quad/PIP/split
	Vista	**VQCM4**	0310570	4 channel real time Quad, 4 x alarms, 12V DC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A BBV TX1500/64/8

- Available 16 x 8 to 96 x 8 up to 4 control positions
- Rapid to install
- Multi manufacturer telemetry support
- Site expandable
- Supports up to 96 alarm inputs
- Enhanced customer support with off line configuration
- Other interfaces available

B BBV FBM/256/16

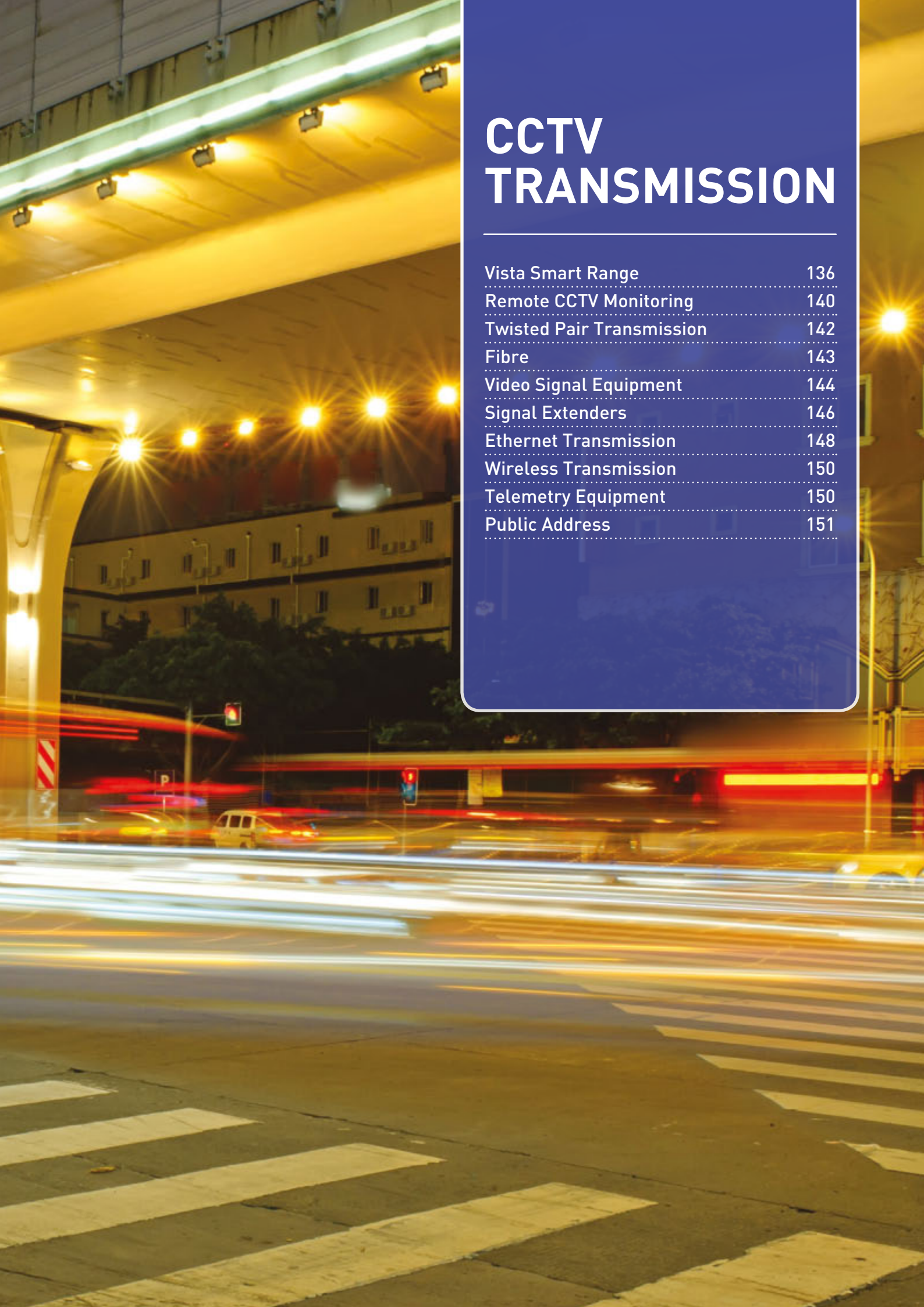
- Available up to 512 x 64 as standard
- Simple to install, fit and forget multi-manufacturer telemetry support via BBV interfaces
- Integration with 3rd party GUIs
- Supports distributed switching
- Installation training available with on going support

DID YOU KNOW?...

Competitive training courses

In a continually changing market place, training is an essential aspect of any business. Our comprehensive range of training courses ensure you keep up with the latest technologies.

RACK MOUNT CABINETS
See page 267



CCTV TRANSMISSION

Vista Smart Range 136
Remote CCTV Monitoring 140
Twisted Pair Transmission 142
Fibre 143
Video Signal Equipment 144
Signal Extenders 146
Ethernet Transmission 148
Wireless Transmission 150
Telemetry Equipment 150
Public Address 151

VISTA SMART RANGE

Vista Smart Range

The Smart range of products enables remote viewing from any PC, laptop and numerous mobile devices from anywhere in the world. Units can transmit live video, pre-recorded video or respond on the activation of an alarm event and is supported nationally by many ARC and VRC Central stations.

Mobile specific technology now provides a solution whereby vehicles can be fitted with recording devices and allows a tracking feature either in live mode or for review at a later date from the removable hard drive. Utilising a Linux platform to provide excellent stability, all Smart devices offer the following main features across the entire range:

- BS8418 compliant: For detector activated CCTV systems that require police response
- HTconnect: This advises the RVRC if signalling path fails
- HTcompress: Efficient compression technology, makes for smaller file sizes for remote viewing & transmission over a network
- PTZ/Dome control: Control cameras remotely via PC software or iOS App
- IP camera support: Over 800 cameras from multiple manufacturers

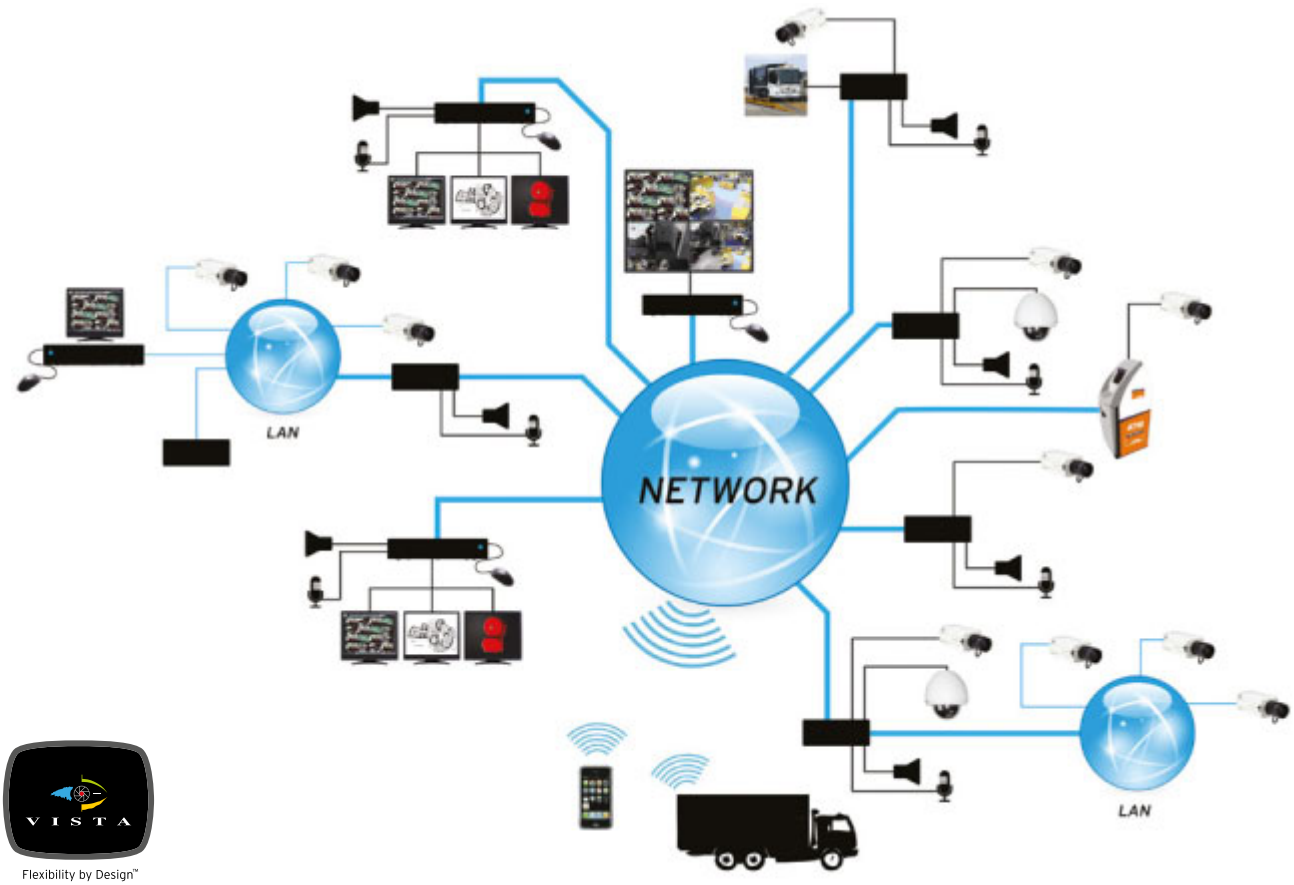
VISTA
Flexibility by Design™

SMARTTEL

Transmission only device that can be added to an existing site where a DVR is installed or recording is simply not required. Can be connected to virtually any network/dial up connection. Alarm inputs can provide automatic dial up.

Manufacturer	Part No	Quick Ref	Inputs	Analogue resolution	IP resolution	Type	Application	Storage	IP compression	Alarm inputs	Audio	Serial Input
VISTA SMARTTEL												
Vista	**VLS2-04TR**	0480180	4	720x288	Up to 5MP	Transmission only	Static	64MB (for pre-alarm)	JPEG, MJPEG	4	✓	✓
Vista	**VLS2-10TR**	0480190	10	720x288	Up to 5MP	Transmission only	Static	64MB (for pre-alarm)	JPEG, MJPEG	10	✓	✓

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification



VISTA
Flexibility by Design™

SMARTCF

A smaller device, perfect for rapid deployment, records to a Compact Flashcard for remote on-site recording and playback, features an integrated 3G/GPS router for transmission.

	Manufacturer	Part No	Quick Ref	Cameras Inputs	Analogue resolution	IP resolution	Type	Application	IPS	IP encoding	Storage	Removable HDD	3G/GPS module	Alarm inputs	Audio	Serial Input
	VISTA SMARTCF															
A	Vista	**VLS2-02RTCF3GNA**	0480210	1 analogue/3 IP	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips per channel	JPEG, MJPEG	Up to 64GB (to CF card)	✓	✓	1	-	✓
	Vista	**VLS2-02RTCF3G**	0480340	1 analogue/3 IP	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips per channel	JPEG, MJPEG	Up to 64GB (to CF card)	✓	✓	1	✓	✓

SMARTDISC

All of the features of the SmartTel but with an internal hard drive for remote on-site recording and remote playback. Different form factors to suit alternative applications, including real-time recording and devices with an integrated 3G/GPS router.

	Manufacturer	Part No	Quick Ref	Cameras Inputs	Analogue resolution	IP resolution	Type	Application	IPS	IP encoding	Storage	Removable HDD	3G/GPS module	Alarm inputs	Audio	Serial Input
	VISTA SMARTDISC															
	Vista	**VLS2-02RT1TNA**	0480330	2	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips per channel	JPEG, MJPEG	1TB (embedded)	-	-	2	✓	✓
	Vista	**VLS2-02RT1T**	0480200	2	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips per channel	JPEG, MJPEG	1TB (embedded)	-	-	2	✓	✓
B	Vista	**VLS2-02RT1T3GNA**	0480350	1 analogue/3 IP	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips per channel	JPEG, MJPEG	1TB (embedded)	-	✓	1	-	✓
	Vista	**VLS2-04DRNA**	0480220	4	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips global	JPEG, MJPEG	Up to 4TB	✓	-	4	-	✓
	Vista	**VLS2-04DR**	0480230	4	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips global	JPEG, MJPEG	Up to 4TB	✓	-	4	✓	✓
C	Vista	**VLS2-04RT**	0480240	4	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips per channel	JPEG, MJPEG	Up to 4TB	✓	-	4	✓	✓
	Vista	**VLS2-10DRNA**	0480250	10	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips global	JPEG, MJPEG	Up to 4TB	✓	-	10	-	✓
	Vista	**VLS2-10DR**	0480260	10	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips global	JPEG, MJPEG	Up to 4TB	✓	-	10	✓	✓
	Vista	**VLS2-10RT**	0480280	10	720 x 288	Up to 5MP	Record & Transmission	Static	25 ips per channel	JPEG, MJPEG	Up to 4TB	✓	-	10	✓	✓

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Vista VLS2-02RTCF3GNA

- 4 channel (1 analogue & 3 IP or 4 IP cameras) realtime recorder
- Records to compact flashcard (not included)
- Integrated 3G/GPS router for remote connectivity and location tracking
- Bi-directional audio and non-audio models
- BS8418:2010 compliant
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

B Vista VLS2-02RT1T3GNA

- 4 channel (1 analogue & 3 IP or 4 IP cameras) realtime recorder
- Embedded 1TB HDD for long term storage
- Integrated 3G/GPS router for remote connectivity and location tracking
- BS8418:2010 compliant
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Directly power the analogue camera
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

C Vista VLS2-04RT

- 4 or 10 channel realtime recorders
- 1, 2, & 4 TB HDD available
- Bi-directional audio
- BS8418:2010 compliant
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

VISTA SMART RANGE

SMARTMOBILE

The SmartMobile is a truly mobile remote digital recording and transmission system which allows full surveillance of vehicles across the globe.

Utilising leading edge vibration protection technology, the SmartMobile offers the user a proven transmission platform. Designed specifically for the mobile market, it is approved to railway applications EN50155 – electronic equipment used on rolling stock, and EN61373 – shock and vibration. Available in 2 form factors to suit alternative applications, including real-time recording and devices with integrated 3G/GPS router.

	Manufacturer	Part No	Quick Ref	Cameras Inputs	Analogue resolution	IP resolution	Type	Application	IPS	IP encoding	Storage	Removable HDD	3G/GPS module	Alarm inputs	Audio	Serial Input
	VISTA SMARTMOBILE															
A	Vista	**VLS2-02RTM1T3GNA**	0480670	1 analogue/3 IP	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips per channel	JPEG, MJPEG	1TB (embedded)	-	✓	1	-	✓
	Vista	**VLS2-02RTM1T3G**	0480680	1 analogue/3 IP	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips per channel	JPEG, MJPEG	1TB (embedded)	-	✓	1	✓	✓
B	Vista	**VLS2-04DRM0B**	0480290	4	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips global	JPEG, MJPEG	1TB	✓	-	4	✓	✓
	Vista	**VLS2-10RTM0B**	0480360	10	720x288	Up to 5MP	Record & Transmission	Static, Mobile	25ips per channel	JPEG, MJPEG	1TB	✓	-	4	✓	✓

SMARTDISC IP

All of the features of the SmartDisc are designed with megapixel IP cameras in mind. A plug in analogue card makes this a true hybrid solution and with H.264, MJPEG & JPEG encoding supported, you can tailor your surveillance to suit the application.

	Manufacturer	Part No	Quick Ref	Cameras Inputs	Analogue resolution	IP resolution	Type	Application	IPS	IP encoding	Storage	Removable HDD	Alarm inputs	Audio	Serial Input
	VISTA SMARTIP														
C	Vista	**VLS2-10IPRT**	0480270	10	720x288	Up to 5MP	Record & Transmission	Static	25ips per channel	JPEG, MJPEG	Up to 4TB	✓	10	✓	✓

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Vista VLS2-02RTM1T3G

- 4 channel (1 analogue & 3 IP or 4 IP cameras) realtime recorder
- Embedded 1TB HDD for long term storage
- Integrated 3G/GPS router for remote connectivity and location tracking
- Rolling stock (EN50155), vibration & shock (EN61373) compliant
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

B Vista VLS2 Mobile series

- 4 channel (non realtime) recorder
- 10 channel (realtime) recorder
- Record to 1TB HDD
- Rolling stock (EN50155), vibration & shock (EN61373) compliant
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Directly power the analogue camera
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

C Vista VLS2-10IPRT

- 10 channel realtime IP recorder
- 1, 2, & 4 TB HDD available
- Plug in card for hybrid functionality
- HTcompress for efficient image compression to maximise storage space
- PTZ control
- Fully compatible with all SmartControl and EMS Software packages
- S_Remote App for live, playback and control

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

Manufacturer	Part No	Quick Ref	Product Description
ACCESSORIES AND SPARES			
Vista	**VLS2-DR1TB**	0480300	1TB HDD for SmartDisc & SmartIP (VLS2 only)
Vista	**VLS2-DR2TB**	0480310	2TB HDD for SmartDisc & SmartIP (VLS2 only)
Vista	**VLS2-DR4TB**	0480370	4TB HDD for SmartDisc & SmartIP (VLS2 only)
Vista	**VLS2-DRMOB1TB**	0480320	1TB HDD for SmartMobile (VLS2 only)
Vista	**VLS2-DRUSB**	0480380	USB kit for VLS2 Smart only
Vista	**VLS-AUDIOBRD**	0395610	Plug in audio board (VLS/VLS2)
Vista	**VLS-TAe**	0480400	Plug in ISDN card for Smart (VLS/VLS2)
Vista	**VLS-HC/IP**	0471030	4 channel analogue card for SmartIP (VLS/VLS2
Vista	**VLS-ALM50R**	0478830	50 alarm/8 relay expansion module for Smart (VLS/VLS2)
Vista	**VLS-AIM**	0310560	Audio interface module for Videx door entry systems (VLS/VLS2)
Vista	**VLS-PSU**	0255300	Spare 4A (48W) PSU for Smart (VLS/VLS2)
Vista	**VLS-PSU/IP**	0480390	Spare 7A (84W) PSU for SmartIP (VLS/VLS2)
Vista	**VLS-RMK/single**	0471870	Single Smart rack mount kit (VLS/VLS2)
Vista	**VLS-RMK/double**	0471880	Double Smart rack mount kit (VLS/VLS2)
Vista	**VLS-MOBMT**	0296130	Mounting plate for SmartMobile (VLS/VLS2)

Manufacturer	Part No	Quick Ref	Product Description
SOFTWARE			
Vista	**VLS-CPRO**	0252090	SmartControl Pro software, up to 21 simultaneous connections
Vista	**VLS-CSER**	0496130	EMS server software, up to 50 simultaneous connections
Vista	**VLS-CCLNT**	0262330	EMS client software, up to 50 per EMS server
Vista	**VLS-VW**	0495930	Smart videowall software, up to 64 connections
Vista	**VLS-SVSS**	0399360	Smart SDK software

Manufacturer	Part No	Quick Ref	Product Description
ITEMS FOR LEGACY SMART DEVICES			
Vista	**VLS-DR1000**	0442730	1000GB HDD for SmartDisc (VLS only)
Vista	**VLS-DR2000**	0470700	2000GB HDD for SmartDisc (VLS only)
Vista	**VLS-DR/IP1000**	0495990	1000GB HDD for SmartIP (VLS only)
Vista	**VLS-DR/IP2000**	0470710	2000GB HDD for SmartIP (VLS only)
Vista	**VLS-DR1000MOB**	0658770	1000GB for SmartMobile (VLS only)
Vista	**VLS-DRUSBe**	0345250	USB kit for SmartDisc/Mobile (VLS only)
Vista	**VLS-DR/HNVR/USB**	0496000	USB kit for SmartIP (VLS only)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Continually evaluating the latest innovations and technologies

The technologies in the market never stand still, so nor do we. Our product management teams work tirelessly with new and existing suppliers to ensure we bring the most promising and exciting of these innovations to you.

REMOTE CCTV MONITORING

Manufacturer	Part No	Quick Ref	Analogue Video Inputs	Activated IP Video Inputs	Analogue resolution	IP resolution	Application	Storage	IP compression	Alarm Inputs/ Outputs	Bi-directional audio	BS8418:2010	PTZ control *	Serial Input	Operating System
ADPRO FASTTRACE 2/2E REMOTELY MANAGED MULTI-SERVICE GATEWAY (RMG) RANGE															
FASTTRACE 2 ANALOGUE ONLY, TRANSMISSION & RECORDING															
Xtralis	**55001100**	0563570	4	-	704 x 576	-	Static	1TB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**55302200**	0563640	16	-	704 x 576	-	Static	2TB	H.264	20/8	✓	✓	✓	✓	Linux
FASTTRACE 2 ANALOGUE ONLY, TRANSMISSION ONLY															
Xtralis	**55100100**	0563750	8	-	704 x 576	-	Static	500GB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**55300200**	0563780	16	-	704 x 576	-	Static	500GB	H.264	20/8	✓	✓	✓	✓	Linux
FASTTRACE 2E ANALOGUE TRANSMISSION & RECORDING (HYBRID ENABLED)															
Xtralis	**58101210**	0695000	4	0	704 x 576	<5MP	Static	1TB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**58201220**	0694990	8	0	704 x 576	<5MP	Static	1TB	H.264	20/8	✓	✓	✓	✓	Linux
Xtralis	**58301320**	0694980	12	0	704 x 576	<5MP	Static	2TB	H.264	20/8	✓	✓	✓	✓	Linux
Xtralis	**58401320**	0694970	16	0	704 x 576	<5MP	Static	2TB	H.264	20/8	✓	✓	✓	✓	Linux
Xtralis	**58501320**	0694810	20	0	704 x 576	<5MP	Static	2TB	H.264	20/8	✓	✓	✓	✓	Linux
FASTTRACE 2E ANALOGUE TRANSMISSION ONLY (HYBRID ENABLED)															
Xtralis	**58200010**	0706660	8	0	704 x 576	<5MP	Static	1TB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**58500020**	0705700	20	0	704 x 576	<5MP	Static	1TB	H.264	20/8	✓	✓	✓	✓	Linux
FASTTRACE 2E IP TRANSMISSION & RECORDING															
Xtralis	**58011310**	0697830	0	4	704 x 576	<5MP	Static	2TB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**58051540**	0704400	0	20	704 x 576	<5MP	Static	4TB	H.264	28/12	✓	✓	✓	✓	Linux
Xtralis	**58054540**	0740150	0	20	704 x 576	<5MP	Static	16TB	H.264	28/12	✓	✓	✓	✓	Linux
FASTTRACE 2E IP TRANSMISSION ONLY															
Xtralis	**58020010**	0700890	0	8	704 x 576	<5MP	Static	1TB	H.264	8/4	✓	✓	✓	✓	Linux
Xtralis	**58050020**	0740160	0	20	704 x 576	<5MP	Static	1TB	H.264	20/8	✓	✓	✓	✓	Linux
FASTTRACE 2E HYBRID TRANSMISSION & RECORDING															
Xtralis	**58211320**	0702390	8	4	704 x 576	<5MP	Static	2TB	H.264	20/8	✓	✓	✓	✓	Linux

* Analogue PTZ cameras: RS485 based - IP PTZ cameras: IP protocol based - see technical documentation for available protocols
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

ADPRO® FastTrace™ 2/2E Remotely Managed Multi-service Gateway (RMG) Versions and Capacities Guide

FastTrace 2 Series Versions/ Capacities	FastTrace 2 Analogue	FastTrace 2 Analogue Tx	FastTrace 2E Analogue	FastTrace 2E Analogue Tx
Max. No. Video Inputs	16	16	20	20
Max. No. Analogue Video inputs	16	16	20	20
Max. No. IP Video Inputs	N/A	N/A	20	20
Max. No. Video Analytics Licensed Applications through Xchange***	4	4	20	20
Video Output	XGA – Multiple matrix type views			
Compression	H.264			
Analogue Video Resolutions	PAL/NTSC: CIF/ SIF, QCIF/QSIF, 2CIF/2SIF, 4CIF/4SIF			
IP Video Resolutions	N/A		HD/MP (depending on camera)	
Audio Inputs	Analogue 1 per video input / IP depends on camera, see our Supported IP Camera List			
Audio Outputs	Standard 1 line level analogue output, Optional: Up to 1 per video input via audio switcher(s)			
Max. Storage Capacity	16 TB	1 TB	16 TB	1 TB
RAID 1 Data Protection	Yes	No	Yes	No
Monitored Command Inputs In-the-box	Up to 40*			
Relay Outputs In-the-box	Up to 16*			
Max. I/O per unit when using PoE I/O Modules	Inputs 168 / Outputs 144			
Continuous Recording	Yes	No	Yes	No
Event Recording	Up to 16,000 individual event recordings per day			
PTZ RS485 Telemetry	Yes			
PTZ Down-The-Coax Telemetry	Optional**	Optional**	Optional** (Max. 16 channels)	Optional** (Max. 16 channels)
Comm. Port(s) for RS485- PTZ/VM22A Audio Switcher	Up to 2, RS485-PTZ and/or VM22A audio switcher*			
iTrace app for iPhone	Yes****			
Backup Communication to CMS	Yes			
iLIDS Primary Detection Certified	Yes			
Network Rail Approved	Yes			
BS8418:2010 Compliant	Yes			

xtralis
The sooner you know

* Actual number is model dependent
** Available on certain models only cannot be retrofitted
*** Xchange: The Xtralis powerful remote licenses and devices management tool (**www.xtralissecurity.com** for free download)
**** Specific functions (audio speak; commands; events) subject to the availability of Xchange iTrace iCommand license on the unit

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

Manufacturer	Part No	Quick Ref	Description
FASTTRACE 2/2E EXTENSION KITS			
Xtralis	**39544250**	0563850	Approved HDD 1TB, including mounting brackets to be integrated inside the unit
Xtralis	**39544260**	0563860	Approved HDD 2TB, including mounting brackets to be integrated inside the unit
Xtralis	**39544262**	0700420	Approved HDD 4TB, including mounting brackets to be integrated inside the unit
Xtralis	**39544270**	0604010	4 Channel analogue upgrade kit, to be integrated inside the unit
Xtralis	**39544280**	0614720	8 Channel analogue upgrade kit, to be integrated inside the unit
Xtralis	**39544000**	0549770	Additional (main) I/O board, 8in/4 relay out to be integrated inside the unit
Xtralis	**39544010**	0549760	Additional (extension) I/O board, 12in/4 relay out to be integrated inside the unit
IP CAMERA LICENCES			
Xtralis	**49977001**	0696520	FastTrace 2E, 4 channel IP licence pack for additional IP cameras - perpetual
INTRUSIONTRACE LICENCES			
Xtralis	**49975413**	0655500	FastTrace 2/2E, 1 channel IntrusionTrace licence - perpetual
Xtralis	**49975414**	0655520	FastTrace 2/2E, 8 channel IntrusionTrace licence - perpetual
Xtralis	**49975416**	0655530	FastTrace 2/2E, 16 channel IntrusionTrace licence - perpetual
Xtralis	**49975419**	0694800	FastTrace 2/2E, 128 channel IntrusionTrace licence - perpetual
LOITERTRACE LICENCES			
Xtralis	**49975404**	0740170	FastTrace 2/2E, 8 channel LoiterTrace licence - perpetual
Xtralis	**49975406**	0740180	FastTrace 2/2E, 16 channel LoiterTrace licence - perpetual
iCOMMAND LICENCES			
Xtralis	**49975770**	0740190	FastTrace 2/2E, iTrace iCommand 1 device licence
Xtralis	**49975771**	0740200	FastTrace 2/2E, iTrace iCommand 10 pack device licence
iRESPOND LICENCES (REQUIRES VIDEOCENTRAL PLATINUM)			
Xtralis	**49975780**	0740210	Xtralis iRespond licence 1 month (cloud service registration fee)
Xtralis	**49975781**	0740220	Xtralis iRespond licence 1 year (cloud service registration fee)
CLIENTTRACE LICENCES			
Xtralis	**49975790**	0740230	FastTrace 2/2E, ClientTrace licence 1 year for 1 channel
Xtralis	**49975791**	0740240	FastTrace 2/2E, ClientTrace licence 1 year for 4 channels
SMOKETRACE LICENCES			
Xtralis	**49975800**	0740250	FastTrace 2E, SmokeTrace licence 1 channel - perpetual
Xtralis	**49975801**	0740260	FastTrace 2E, SmokeTrace licence 4 channel - perpetual
Xtralis	**49975802**	0740270	FastTrace 2E, SmokeTrace licence 8 channel - perpetual
Xtralis	**49841800**	0740280	FastTrace 2E, SmokeTrace annunciator panel - perpetual
PRESIDIUM MINI - VIDEO ANALYTIC INTRUSION DETECTION UNIT			
Xtralis	**202182**	0460310	ADPRO Presidium Mini, 2 analogue channels

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Dedicated, friendly sales teams with extensive industry experience

Our teams aim to work with you to best understand the requirements of your business and are committed to excellent service and problem solving.

TWISTED PAIR TRANSMISSION

	Manufacturer	Part No	Quick Ref	Product Description
	XENO TWISTED PAIR TRANSMISSION			
	Xeno	**XBALUN1**	0498770	2x twisted pair baluns, integrated BNC balun
	Xeno	**XBALUN2**	0498780	2 x twisted pair baluns, "pigtail" BNC balun
A	Xeno	**XBALUN16RM**	0691470	16 channel rack mount twisted pair transceiver
	NVT TWISTED PAIR VIDEO TRANSMISSION			
	NVT	**NV-214A-M**	0220960	Single channel video passive transceiver with coax pigtail
	NVT	**NV-208A-M**	0327850	Single channel video passive transceiver
	NVT	**NV-653T**	0072770	Single channel video active transmitter
	NVT	**NV-813S**	0408190	8 channel video passive transceiver stub hub
	NVT	**NV-1613S**	0408200	16 channel video passive transceiver stub hub
	NVT	**NV-3213S**	0408210	32 channel video passive transceiver stub hub
	NVT	**NV-413A**	0123150	4 channel video passive transceiver hub
	NVT	**NV-813**	0464940	8 channel video passive transceiver hub
	NVT	**NV-1613**	0440970	16 channel video passive transceiver hub
	NVT	**NV-3213**	0506760	32 channel video passive transceiver hub
	NVT	**NV-652R**	0072290	Single channel video active receiver
	NVT	**NV-452R**	0123160	4 channel video active receiver
	NVT	**NV-442**	0557560	4 channel StubEQ™ active receiver hub
	NVT	**NV-842**	0535010	8 channel StubEQ™ active receiver hub
	NVT	**NV-1642**	0522340	16 channel StubEQ™ active receiver hub
	NVT	**NV-3242**	0535030	32 channel StubEQ™ active receiver hub
	NVT	**NV-872**	0408220	8 channel Digital EQ™ active receiver hub
	NVT	**NV-1672**	0408230	16 channel DigitalEQ™ active receiver hub
	NVT	**NV-3272**	0408240	32 channel DigitalEQ™ active receiver hub
	NVT PVD TWISTED PAIR POWER VIDEO & DATA TRANSMISSION			
	NVT	**NV-216A-PV**	0305680	Single channel power-video passive transceiver
	NVT	**NV-218APVD**	0231720	Single channel power-video-data passive transceiver
	NVT	**NV-226J-PV**	0415640	Single channel UTP video passive transmitter + 12V DC converter
	NVT	**NV-4PS10-PVD**	0415650	4 Channel power supply integrator hub, requires seperate video recevier
	NVT	**NV-16PS10-PVD**	0327860	16 Channel power supply integrator hub, requires seperate video recevier
	NVT	**NV-4PS13-PVD**	0435250	4 Channel power supply & integrated passive receiver hub
	NVT	**NV-8PS13-PVD**	0351620	8 Channel power supply & integrated passive receiver hub
	NVT	**NV-16PS13-PVD**	0318660	16 Channel power supply & integrated passive receiver hub
	NVT	**NV-8PS42-PVD**	0555910	8 Channel power supply & integrated StubEQ™ active receiver hub
	NVT	**NV-16PS42-PVD**	0555920	16 Channel power supply & integrated StubEQ™ active receiver hub
	NVT	**NV-32PS42-PVD**	0555930	32 channel power supply & integrated StubEQ™ active receiver hub
	PELCO TWISTED PAIR POWER VIDEO & DATA TRANSMISSION			
	Pelco	**EC-4BY1SWCPOE-W**	0737150	EthernetConnect 4 port self managed ethernet and PoE over coax or twisted power 30W per port with extended coax, uplink, wall mount
	Pelco	**ECPS-12VDC-3A**	0737160	EthernetConnect 12V DC 3A power supply for non-PoE applications
	Pelco	**ECPS-48VDC-10A**	0737170	EthernetConnect 48V DC 10A power supply for PoE applications

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Xeno XBALUN16RM

XENO

- 16 channel rack mount tranceiver
- Screw terminal, RJ45 and BNC connections
- 300m transmission range
- Built-in surge protection up to 4000V
- Compatible with coax telemetry
- Simple installation

DID YOU KNOW?...

Free Technical Support

Our highly experienced technical support team can offer free technical support on any product purchased through Norbain.

RACK MOUNT CABINETS
See page 267

CABLES
See page 262

PELCO FIBRE OPTIC TRANSMISSION

Manufacturer	Part No	Quick Ref	Product Description
Pelco	**FTV10D1M1ST**	0620260	1 channel video transmitter with data, requires 1 fibre, multimode ST connector (use with FRV10D1M1ST) up to 3km
Pelco	**FRV10D1M1ST**	0627470	1 channel video receiver with data, requires 1 fibre, multimode ST connector (use with FTV10D1M1ST) up to 3km
Pelco	**FTV10M1ST**	0615970	1 channel video only transmitter, requires 1 fibre, multimode ST connectors (use with FRV20M2ST) up to 3km
Pelco	**FRV20M2ST**	0615960	2 channel video only receiver, requires 2 fibres, multimode ST connectors (use with upto 2 x FTV10M1ST) up to 3km
Pelco	**FTV40M1ST**	0612090	4 channel video only transmitter, requires 1 fibre, multimode ST connector (use with FRV40M1ST) up to 2km
Pelco	**FRV40M1ST**	0612100	4 channel video only receiver, requires 1 fibre, multimode ST connector (use with FTV40M1ST) up to 2km
Pelco	**FTV80M1ST**	0621160	8 channel video only transmitter, requires 1 fibre, multimode ST connector (use with FRV80M1ST) up to 3km
Pelco	**FRV80M1ST**	0621170	8 channel video only receiver, requires 1 fibre, multimode ST connector (use with FTV80M1ST) up to 3km
Pelco	**FTV10D1A2M1ST**	0737180	1 channel video transmitter with data and audio, requires 1 fibre, multimode ST connector (use with FRV10D1A2M1ST) up to 4km
Pelco	**FRV10D1A2M1ST**	0737190	1 channel video receiver with data and audio, requires 1 fibre, multimode ST connector (use with FTV10D1A2M1ST) up to 4km
Pelco	**FTV40D2M1ST**	0693650	4 channel video transmitter with data, requires 1 fibre, multimode ST connector (use with FRV40D1M1ST) up to 2km
Pelco	**FRV40D2M1ST**	0693680	4 channel video receiver with data, requires 1 fibre, multimode ST connector (use with FTV40D1M1ST) up to 2km
Pelco	**FTV80D2M1ST**	0612110	8 channel video transmitter with data, requires 1 fibre, multimode ST connector (use with FRV80D1M1ST) up to 2km
Pelco	**FRV80D2M1ST**	0612120	8 channel video receiver with data, requires 1 fibre, multimode ST connector (use with FTV80D1M1ST) up to 2km
Pelco	**FTV160S1ST**	0701280	16 channel video only transmitter, requires 1 fibre, single mode ST connector (use with FRV160S1ST) up to 54km
Pelco	**FRV160S1ST**	0737210	16 channel video only receiver, requires 1 fibre, single mode ST connector (use with FTV160S1ST) up to 54km
Pelco	**FTV320S1ST**	0737220	32 channel video only transmitter, requires 1 fibre, single mode ST connector (use with FRV320S1ST) up to 54km
Pelco	**FRV320S1ST**	0737230	32 channel video only receiver, requires 1 fibre, single mode ST connector (use with FTV320S1ST) up to 54km
Pelco	**FEXTPS**	0616640	Power supply for single unit, 100-240V AC 9V DC 2Amp
Pelco	**EURACK**	0614000	EU fibre rack, holds upto 14 single-width fibre optic modules, including PSU

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

VIDEO SIGNAL EQUIPMENT

	Manufacturer	Part No	Quick Ref	Product Description
	VIDEO SIGNAL EQUIPMENT			
	Addlestone	**BH186**	0414500	Hum canceller and line corrector for coax, 500m, 12V DC, PSU included
	Addlestone	**BH185**	0325860	Video transmitter (active balun) 1000m UTP with BH188, 12V DC, PSU included
	Addlestone	**BH132**	0142200	Opto isolated video line corrector for removing Hum, 12V DC, PSU included
	Addlestone	**BH187**	0406570	Video line corrector/receiver, coax, 1000m with BH184, 12V DC, PSU included
	Addlestone	**BH188**	0403140	Video line corrector/receiver, UTP, 1000m with BH185, 12V DC, PSU included
A	Addlestone	**BH258**	0621610	Video receiver, auto correction up to 1 mile UTP, 12V DC, PSU & Balun included
	Addlestone	**BH259**	0612740	Video receiver, auto correction up to 1 mile coax, 12V DC, PSU included
	Addlestone	**BH74BU**	0014930	Opto isolated UTP video line corrector for removing Hum, 240V AC
	Addlestone	**BH74UU**	0015070	Opto isolated coax video line corrector, for removing Hum, 240V AC
	Addlestone	**BH184**	0339690	Video launch & distribution Amp, coax, 1 in 2 out, 12V DC, PSU included
	Addlestone	**BH228**	0730180	Opto isolated coax line corrector, for removing Hum 1200m, PSU included
	Addlestone	**BH229**	0730190	Opto isolator, coax, for removing Hum, 12V DC, PSU included
	Addlestone	**BH260**	0730200	Video receiver, auto correction up to 1 mile UTP, 4 channel, 1.5U, 12V DC
	Addlestone	**BH261**	0730210	Video receiver, auto correction up to 1 mile coax, 4 channel, 1.5U, 12V DC
	SNT	**CLEARVIEW-1**	0111950	Clearview-1, single channel ground loop isolation transformer
	SNT	**CLEARVIEW-2**	0111960	Clearview-2, dual channel ground loop isolation transformer
	SNT	**VIEWLINK**	0117690	Single channel video & audio with reverse power 0.5 Amp
	SNT	**DUO2DATA-LINK**	0546990	SNT Data2Duo Link 2 videos, 2 alarms, RS485 data, DC power transmission and line equalization over a single coaxial cable
	SNT	**DATALINK**	0230500	Video, RS485 data, alarms and power over a single coax, ground loop isolator with PSU
	SNT	**LUL/DATALINK**	0158700	Video, RS485 data, alarms and power over a single coax, ground loop isolator no PSU
B	SNT	**DUO-LINK**	0109400	2 Video, 2 alarms, DC power transmission and line equalization over a single coax
	SNT	**115-00**	0186780	PSU for SNT Data and Duo Link 40V DC 1.25 Amp
	SNT	**SYSTEM LINK**	0188760	Rackmount solution for up to eight Data/Duo links
	SNT	**146-22-1**	0522800	PSU for SNT system link
	Vista	**HumV**	0472580	Ground loop isolation transformer
	VIDEO DISTRIBUTION			
	Addlestone	**BH209**	0414510	1 in 2 out video distribution Amp + 2 sockets for BH208, 12V DC, PSU included
	Addlestone	**BH207**	0357020	1 in 4 out video distribution amplifier, 12V DC PSU included
	Addlestone	**BH66/1**	0051910	1 in 10 out video distribution amplifier, 12V DC, PSU included
	Addlestone	**BH252**	0602160	4 channels, 1 in 4 out on each channel, 1.5U, 12V DC, PSU included
	Addlestone	**BH220-16xBH192/3125**	0354660	32 Channels, 1 in 2 out per channel, 19" rack mount, 12V DC PSU included
	Addlestone	**BH220-8xBH193/3125**	0354690	16 Channels, 1 in 5 out per channel, 19" rack mount, 12V DC PSU included
	Addlestone	**BH220-16xBH231/3125**	0448430	32 Channels, 1 in 4 out per channel, 19" rack mount, 12V DC PSU included
	Vista	**VVDA104**	0346300	Video distribution Amp with 1 in, 4 out
	Vista	**VVDA204**	0315900	Video distribution Amp with 2 in, 4 out (or 1 in/4 out)
	Vista	**VVDA408**	0315890	Video distribution Amp with 4 in, 8 out (or 1 in / 4 out or 4in / 2 out - plus others)
	Vista	**VVDA-DRM**	0379990	Rack mount kit single VVDA
	Vista	**VVDA-SRM**	0379980	Rack mount kit double VVDA
	TEST MONITORS			
	Vista	**VTM04C**	0310580	4" colour test monitor
	Vista	**VTM04CHARGER**	0471850	Charger for VTM04C test monitor
	Vista	**VTMPRO**	0472590	LCD test monitor, with multimeter, RS485, cable & fibre tester

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Addlestone BH258

AddlestoneElectronics

- Automatic video receiver and corrector
- Up to 1 mile when using Cat5e/Cat6 UTP cable
- No user adjustment required, truly plug and play
- Only a balun required at the camera end which is supplied free of charge
- Automatically restores settings after a power outage
- Coax and 4 channel versions also available

B SNT Duo-Link

snt trading

- All signals & DC power visa one coaxial cable
- Operating distance over 1000m with power, Sender powers camera; 12V DC 1 Amp max
- No signal loss due to automatic correction and equalisation
- Eliminates earth loop and hum interference (ground loop isolator)
- Complete protection for misconnection and overload
- Two real-time video signals colour/BW and two independent alarm channels

DID YOU KNOW?...

Competitive training courses

In a continually changing market place, training is an essential aspect of any business. Our comprehensive range of training courses ensure you keep up with the latest technologies.

EXPERIENCE THE **NORBAIN ADVANTAGE**

WIDE RANGE OF PRODUCTS

- Largest choice of products in the industry
- Over £10 million stockholding
- Access to exclusive brands
- Home to the Vista brand
- One-stop-shop for all aspects of installation
- Continually evaluating the latest innovations and technologies

INDUSTRY-LEADING DISTRIBUTION

- Next day and timed deliveries
- Deliveries direct to site, or wherever suits you best
- Collection service
- Customer-specific logistics solutions
- World class logistics operation

FULL PORTFOLIO OF SERVICES

- Competitive training courses
- Pre-configuration service
- Repair service
- Simple and efficient returns procedures
- Demo rooms and conference facilities
- Customer visits with the fully equipped Vista van
- Free technical support on all products bought through Norbain

DEDICATED SALES TEAMS

- Dedicated, friendly sales teams with extensive industry experience
- Field-based and internal teams
- Excellent IP knowledge
- Highly accredited staff

To experience our service levels first-hand, get in touch using the contact details below:

EMAIL info@norbain.com
WEB norbain.com
NORTH 01253 894 488
SOUTH 0118 912 5000
NATIONAL ACCOUNTS 01253 887 824

NORBAIN

SIGNAL EXTENDERS

	Manufacturer	Part No	Quick Ref	Product Description
	ATEN SIGNAL EXTENDERS			
A	Aten	**CE100**	0708580	Mini USB KVM extender, 100m
	Aten	**CE700AL/R**	0730650	USB KVM extender up to 150m(Cat5) with Auto Signal Compensation (ASC)
	Aten	**CE750**	0730660	USB KVM extender with RS232 serial ports, audio up to 150m using Cat5e cable
B	Aten	**CE790**	0730670	Digital USB KVM extender
	Aten	**CE800BL/R**	0730680	USB KVM extender up to 250m(Cat5) with audio support, built-in USB port on both units
	Aten	**VE022**	0708560	Mini Cat 5 A/V extender, 150m
	Aten	**VE066**	0730690	Mini Cat 5 DVI extender, 20m
C	Aten	**VE150A**	0708600	Video extender with Cat5 STP cable up to 150m
	Aten	**VE170**	0730700	A/V Over Cat5 extender, 300m
	Aten	**VE170Q**	0730710	A/V Over Cat5 extender, 300m with Deskew
	Aten	**VE200**	0730720	Audio/video extender
D	Aten	**VE800**	0708540	HDMI extender; using Cat5e/6 cable, 40m for 1080p 60m for 1080i (HDTV); Compliant with HDMI 1.3b
	Aten	**VE803**	0708550	HDMI USB extender
	Aten	**VE809**	0730730	HDMI wireless extender with 2 inputs, 30m WHDI
	Aten	**VE810**	0730740	HDMI extender with IR control - extends to 60m
E	Aten	**VE812**	0730750	HDMI extender over single Cat5, 100m
	Aten	**VE814**	0730760	HDMI extender over single Cat5 with dual display, 100m
	Aten	**VE829**	0730770	HDMI wireless matrix extender with 5 inputs & 2 outputs, 30m WHDI
	Aten	**VE882**	0730780	HDMI optical extender, 600m
	Aten	**VE892**	0730790	HDMI optical extender, 20km

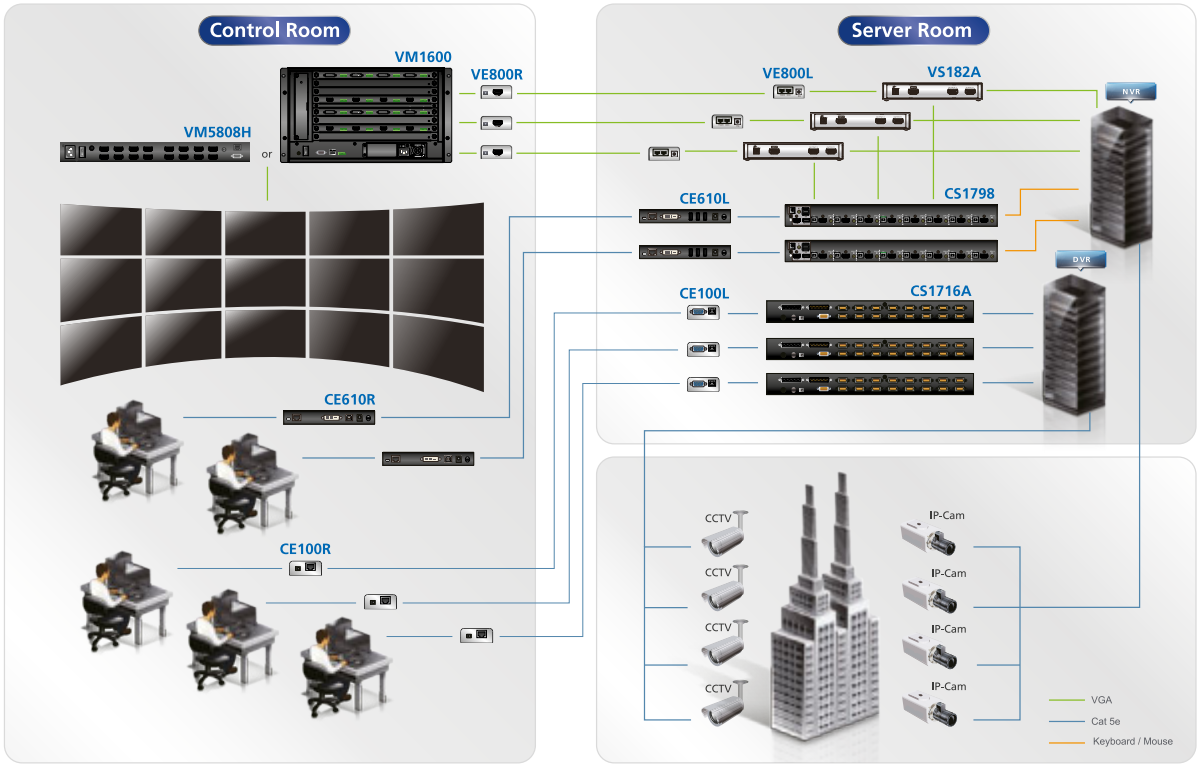
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Aten CE100

- Extends VGA, keyboard and mouse control
- Supports wide screen formats and manual compenation adjustment
- Up to 100 metres extension via a single Cat 5e/6 cable
- Superior video quality - up to 1920x1200 @ 60Hz at 30m, 1280x1024 @ 60Hz at 100m
- Rack-mountable
- Built-in 8KV/15KV ESD protection

A Aten CE100 Mini USB KVM extender schematic

Mini USB KVM Extender allowing remote control of 100m via a single Cat 5e/6 cable



North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

B Aten CE790

- Extends VGA, keyboard and mouse control
- RS232, audio and local console support
- Unlimited extension through an IGMP-enabled intranet set-up
- Superior video quality - up to 1920x1080 @ 25 ips, 1600x1200 @ 30 ips, 1024x768 @ 75 ips
- Flexible point-to-point, point-to-multipoint and multipoint-to-point extension
- Can be used as a video-over-IP only solution

C Aten VE150A

- Extends the distance between VGA source and VGA display
- Supports one local and one remote display
- Up to 150 metres extension via a single Cat 5e/6 cable
- Superior video quality - up to 1920x1200 @ 30m, 1600x1200 @ 100m, 1280x1024 @ 150m
- Rack-mountable
- Built-in 8KV/15KV ESD protection

D Aten VE800

- Extends the distance between HDMI source and HDMI display
- HDCP and DDC compatible
- HDMI 3D and deep colour support
- Superior video quality - 1080p up to 40m, 1080i up to 60m
- Uses dual Cat 5 transmission for a low-cost solution
- Supports Dolby True HD and DTS HD Master Audio

E Aten VE812

- Extends the distance between HDMI source and HDMI display
- Full HD over 100 metres using HDBaseT technology
- HDMI 3D, HDCP, deep colour and 4Kx2K support
- Rack mountable
- Supports Dolby True HD and DTS HD Master Audio
- Built-in 8KV/15KV ESD protection

DID YOU KNOW?...

Available 8.30am to 6pm

We operate some of the longest opening hours in the industry to help you keep your commitments and provide you with the product advice you need.

CABLES
See page 262

CONNECTORS
See page 266

ETHERNET TRANSMISSION

	Manufacturer	Part No	Quick Ref	Product Description
ETHERNET OVER COAX CABLE CONVERTERS				
	NVT	**NV-EC1701-KIT1**	0657410	Single camera ethernet over coax EoC transmission system with 60W PSU
	NVT	**NV-EC1701-KIT2**	0570110	Dual camera ethernet over coax EoC transmission system with 60W PSU
	NVT	**NV-EC1701-KIT3**	0594320	Triple camera ethernet over coax EoC transmission system with 60W PSU
	NVT	**NV-EC1701-KIT4**	0618900	Quadruple camera ethernet over coax EoC transmission system with 60W PSU
	NVT	**NV-EC1701**	0618890	Ethernet over coax EoC transceiver with PoE power (power supply not included)
	Veracity	**VHW-HWPS-B**	0595730	HIGHWIRE Powerstar Ethernet and PoE over coax BASE unit
	Veracity	**VHW-HWPS-C**	0595720	HIGHWIRE Powerstar Ethernet and PoE over coax CAMERA unit
	Veracity	**VHW-HW**	0505010	HIGHWIRE single port ethernet over coax (no PoE). 300m on RG59 at 100Base-T
	Veracity	**VPSU-12V-U**	0547890	HIGHWIRE PSU 12V DC
	Veracity	**VHW-HWQ**	0505000	HIGHWIRE quad 4 port ethernet over Coax. Locally powered PoE out
	Veracity	**VQ-24V-UK**	0511660	HIGHWIRE quad PSU
ETHERNET EXTENDERS				
	Veracity	**VLS-1P-B**	0656060	LONGSPAN long range (up to 820m) point to point Ethernet and PoE - BASE unit
	Veracity	**VLS-1P-C**	0656070	LONGSPAN long range (up to 820m) point to point Ethernet and PoE - CAMERA unit
	Veracity	**VLS-1N-L**	0656090	LONGSPAN Lite long range (up to 820m) point to point Ethernet, no PoE, Pair and PSU required
	Veracity	**VLS-1U**	0656100	1U, 19" rackmount bracket for 24 x LONGSPAN units
ETHERNET REPEATERS				
	Veracity	**VOR-ORM**	0463100	OUTREACH MAX LAN and PoE extender. Extends Ethernet by 100m
	Veracity	**VOR-ORM-XT**	0604890	OUTREACH MAX XT IP66 external LAN & PoE extender for devices up to 60W
ETHERNET OVER 2 WIRE TRANSMISSION				
	NVT	**NV-EC1701U**	0613860	Ethernet over 2-wire transceiver with PoE power (power supply not included)
	NVT	**NV-EC1701U-KIT1**	0619630	Single device Ethernet over 2-wire Eo2™ transmission system with 60W PSU
	NVT	**NV-EC1701U-KIT2**	0619640	Dual device Ethernet over 2-wire Eo2™ transmission system with 60W PSU
	NVT	**NV-EC1701U-KIT3**	0619650	Triple device Ethernet over 2-wire Eo2™ transmission system with 60W PSU
	NVT	**NV-EC1701U-KIT4**	0072280	Quadruple device Ethernet over 2-wire Eo2™ transmission system with 60W PSU
ETHERNET OVER COAX OR UTP RING OR STAR TOPLOGY				
A	NVT	**NV-ET1801**	0710620	TBus® single port PoE+ transmitter
B	NVT	**NV-ET1804**	0710630	TBus® 4 port PoE+ transmitter
	NVT	**NV-ER1804**	0710640	TBus® 4 port receiver
	NVT	**NV-ER1808i**	0710650	TBus® 8 rack mount port receiver hub
C	NVT	**NV-ER1816i**	0710660	TBus® 16 port rack mount receiver hub
	NVT	**NV-EC4BNC**	0618890	BNC coax splitter 1:4
	NVT	**NV-PS56-60W**	0572100	56V DC power supply, 60W with IEC line cord
	NVT	**NV-PS56-90W**	0736570	56V DC power supply, 90W with IEC line cord
	NVT	**NV-PS56-250W-1**	0736580	56V DC rack mount power supply 250W auxiliary power supply
	NVT	**NV-PS56-250W-2**	0736590	Dual 56V DC rack mount power supply 250W auxiliary power supply
	NVT	**NV-PS56-250W-3**	0736600	Triple 56V DC rack mount power supply 250W auxiliary power supply
ENGINEERING TOOLS				
	Veracity	**VAD-PP**	0527850	PINPOINT IP camera installation tool to allow local viewing on laptop
	Veracity	**VAD-PS**	0540880	POINTSOURCE rechargeable battery powered pack PoE injector for IP cameras
RUGGED ETHERNET SWITCHES				
	Veracity	**VCS-4P1**	0693430	CAMSWITCH 4 PLUS rugged PoE network switch with 4 PoE & 1 non-PoE ports
	Veracity	**VCS-8P2**	0739450	CAMSWITCH 8 PLUS rugged PoE network switch - 8 PoE & 2 non-PoE ports
NETWORK TIME SERVERS				
	Veracity	**VTN-TN**	0528320	TIMENET PoE powered master NTP time server with GPS clock reference

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

CABLES
See page 262

CONNECTORS
See page 266

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

A NVT NV-ET1801

- Compact bus-architected media converter that delivers 10/100 BaseT Ethernet and PoE+ power via coax, UTP or STP cable
- Extremely simple to use, with no IP or MAC addressing required – no need to use a PC!
- Has separate ports for both Coax and UTP or STP cable and can be used as either a transmitter and/or a receiver
- Allows daisy chain or star wiring, or a combination of both
- Data distances of up to 2.5Kms on RG59 coax and 625m on 1 pair of UTP cable can be achieved
- Lifetime warranty (with advance replacement) and has built-in transient protection

B NVT NV-ET1804

- Four channel compact bus-architected media converter that delivers 10/100 BaseT Ethernet and PoE+ power via coax, UTP or STP cable
- Extremely simple to use, with no IP or MAC addressing required – no need to use a PC!
- Has separate ports for both coax and UTP or STP cable
- Allows daisy chain or star wiring, or a combination of both – ideal transmitter for multiple cameras in one location installation/ retrofit
- Data distances of up to 2.5Kms on RG59 coax and 625m on 1 pair of UTP cable can be achieved
- Lifetime warranty (with advance replacement) and has built-in transient protection

C NVT NV-ER1816i

- TBus Ethernet over Coax/UTP receiver hub is a 1U 19" rack mountable bus-architected media switch that has 16 TBus ports, capable of supporting up to 64 TBus transmitters and their subsequent 10/100 BaseT Ethernet and PoE+ powered devices
- Has separate ports for both coax and UTP or STP cable
- Data rates up to 150 Mbps are achievable - makes this device the ideal choice for large new/legacy installations where long cable runs are deployed in an installation of IP cameras - up to 2.5Kms on RG59 coax and 625m on 1 pair of UTP
- An internal 250 Watt 56V DC power supply can be optionally augmented by an external 250 watt auxiliary power supply, supporting redundancy and/or higher power applications
- TBus 8 and 16 channel hubs have a GUI which enables remote diagnostics of all channels, and allow remote rebooting of IP cameras but while browser based monitoring and control is possible, no PC or MAC addressing is required
- Lifetime warranty (with advance replacement) and has built-in transient protection

DID YOU KNOW?...

Industry-leading technical support

Our technical staff are trained to provide first line support, free of charge, on every product we sell. This provides our customers with the reassurance of expert technical back up from 8.30am to 6.00pm, Monday to Friday.

WIRELESS TRANSMISSION & TELEMETRY EQUIPMENT

	Manufacturer	Part No	Quick Ref	Product Description
	ANALOGUE VIDEO TRANSMISSION			
	AMG Systems	**VLink5820**	0658840	Single channel analogue wireless transmitter and receiver pair kit video transmission only, 500m max
	AMG Systems	**VTel5820**	0694790	Single channel analogue wireless transmitter and receiver pair (kit) video & telemetry transmission only, 500m max
	AMG Systems	**AMG2001**	0224740	PSU for use with Vlink5820 and VTEL5820 (15V 300ma)
	AMG Systems	**VTX5801SED**	0699060	Single channel wireless video, audio contact closure transmitter & telemetry up to 1km (must be used with VRX5801 range)
	AMG Systems	**VRX5801SED**	0699070	Single channel wireless video, audio contact closure receiver & telemetry up to 1km (must be used with VRX5801 range)
	IP VIDEO TRANSMISSION			
A	AMG Systems	**AMG8402**	0628500	Wireless ethernet transmitter & receiver kit, 95Mbps throughput, IP66, up to 2km (including 2 pole/wall brackets & 2 PoE injectors)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

	Manufacturer	Part No	Quick Ref	Product Description
	BBV COAX TELEMETRY GENERATORS			
B	BBV	**CTI/1**	0459800	RS422/BBV coax telemetry interface single channel
	BBV	**CTI/8**	0433170	RS422/BBV coax telemetry interface 8 channel
	BBV	**CTI/16**	0258190	RS422/BBV coax telemetry interface 16 channel
	PROTOCOL CONVERTERS			
	BBV	**AD1-2-1Protocolconverter**	0403840	Single camera protocol converter (Sensormatic RS422 to Molynx, Pelco D & P)
	BBV	**BBV1-2-1 Protocol Converter**	0541080	BBV single camera protocol converter
	BBV	**RX10X**	0523260	Multi protocol dome interface receiver 12/24V AC/DC
	BBV	**RX10X/WBX**	0616270	Multi protocol dome interface receiver 12/24V AC/DC, with 4 alarm inputs in WBX, up to 1Kw
	BBV	**RX10XAL**	0624340	Multi protocol dome interface receiver 12/24V AC/DC, with 4 alarm inputs
	TELEMETRY RECEIVERS			
	BBV	**RX25X**	0457200	Multiple protocol auxiliary relay receiver (this is PCB format ONLY)
	BBV	**RX35X**	0531630	AC multi-protocol telemetry receiver, no presets, 230V AC
	BBV	**RX45X/WBX**	0250970	AC multiprotocol telemetry receiver, 32 presets 8 alarm inputs, OSD programming menu. For use with 230V AC or 110V P&Ts.
C	BBV	**RX55X/WBX**	0233900	DC multiprotocol telemetry receiver, 32 presets 8 alarm inputs, OSD programming menu. For use with 24V DC P&Ts. 12V DC 500mA camera
	DATA DISTRIBUTORS			
	BBV	**STAR REPEATER 16**	0731570	Telemetry star driver repeater 16 outputs (Simplex) plastic cased
	BBV	**STARCARD**	0163980	Telemetry Starcard 8 x RS422/485 outputs rackmount
	BBV	**STARCARD CONVERTOR**	0342750	Telemetry Starcard with in built 3rd party protocol conversion
	Vista	**VSD/16**	0349850	Telemetry star driver RS485, 16 output
	COAXIAL ALARM TRANSMISSION			
	Optex Europe	**VIDE**	0027440	Videswitch bi-directional alarm switching via coax (per pair)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

CONNECTORS
See page 266

A AMG Systems AMG8402

- Perfect for applications where cabling is neither possible nor practical
- UK manufactured comprehensive range of 4.92Ghz to 6.1Ghz licence-exempt analogue and IP wireless solutions, built to latest standards
- Transmission distances of up to 60km (line of sight) with throughput bandwidth up to 1Gb/s with dual antenna/MIMO technology for greater reliability
- Multiple configurations including point-to-point & multi point-to-point
- Combined video encoder/wireless solutions for 'hybrid' networks
- Many product options available – call Norbain for assistance and advice on system design

B BBV CTI/1

- XFast & Simple solution avoids re cabling
- Enables IP encoders to send UTC telemetry
- Receives the following Pelco D, P & BBV422
- Versions BBV Coax, BAXALL alternative coax PELCO Coax
- Tried & tested migration solution
- Cost effectively enables static camera upgrade to functional cameras

C BBV RX55X/WBX

- Fully featured variable speed telemetry receiver
- Designed for simple installation
- Multi protocol support
- Remote diagnosis from control location
- Privacy supported (head must have preset support)
- Comprehensive technical support

	Manufacturer	Part No	Quick Ref	Product Description
	AMPLIFIERS			
	Toa	**A-1712**	0424410	A-1700 series mixer amplifier - 120W, 2 zones, 11 inputs 2 outputs. Independent volume control for each inputs
	Toa	**A-2030**	0503730	A-2000 series mixer amplifier - 30W, 5 audio inputs, 1 audio output. Phantom power on Mic 1, volume & tone control
	Toa	**A-2060**	0427630	A-2000 series mixer amplifier - 60W, 5 audio inputs, 1 audio output. Phantom power on Mic 1, volume & tone control
	Toa	**A-2120**	0426770	A-2000 series mixer amplifier - 120W, 5 audio inputs, 1 audio output. Phantom power on Mic 1, volume & tone control
	Toa	**A-2240**	0439840	A-2000 series mixer amplifier - 240W, 5 audio inputs, 1 audio output. Phantom power on Mic 1, volume & tone control
	HORNS/SPEAKERS			
	Bosch	**LBC3492/12P**	0074830	14" Dia external horn speaker 100V line, rated at 30W peak and 20W RMS. IP65
	Toa	**SC610**	0225430	10W 80hm reflex horn speaker - includes wall mount bracket, IP65
	Toa	**SC610M**	0162660	10W 100V line reflex horn speaker - 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
	Toa	**SC-615**	0293680	15W 80hm reflex horn speaker - includes wall mount bracket, IP65
	Toa	**SC-615M**	0346030	15W 100V line reflex horn speaker - 15, 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
	Toa	**SC-630**	0346010	30W 80hm reflex horn speaker - includes wall mount bracket, IP65
	Toa	**SC-630M**	0159560	30W 100V line reflex horn speaker - 30, 15, 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
	Toa	**PC-1869S**	0424420	6W 100V line 12cm, steel-net grille/aluminium baffle, ceiling speaker - 6, 3, 1.5 & 0.8W tappings
	Toa	**BS-678**	0424850	6W 100V line wall mounted speaker in white - 6, 3, 1.5 & 0.8W tappings
	ACCESSORIES			
	Toa	**PM-660D**	0374540	Desktop microphone, 600Ω, balanced, 5-pin DIN plug termination
	Toa	**PM-660**	0301690	Desktop microphone, 600Ω, unbalanced, jack plug termination
	Toa	**MB-25B**	0580180	Rack mount kit for A-2000 series amplifier
	Toa	**EM-600**	0561630	Flush mounted unbalanced boundary microphone
	AMPLIFIED HORN SPEAKER			
D	Toa	**APH-20**	0703020	Powered horn speaker (20W), 12V DC 2A, line input, IP65 rated, light grey

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

TOA

D TOA APH-20

- Reflex horn speaker with integrated 20 Watt amplifier
- Quick and easy installation
- Internal volume control
- 2m flying lead included
- Compact & efficient design
- 12V DC powered (PSU sold separately)

DID YOU KNOW?...

Customer-specific logistics solutions

From eco-site compatibility to next day delivery in the UK & Ireland or air freight world wide, we're geared around understanding your requirements, and meeting them.

CCTV ACCESSORIES

Monitors 154
Monitor Accessories 156
Lighting 157
Housings 162
Brackets 162
Signage 163
Towers 164

MONITORS

	Manufacturer	Part No	Quick Ref	Screen Size	Aspect Ratio	Max Resolution	LED Backlight	CVBS	VGA	HDMI	DVI	Audio In	Contrast Ratio	Response Time	Glass Front Screen	PiP	Integral Stand	Vesa	Power Consumption	Case Colour	Integral camera
	12" AND UNDER MONITORS																				
	Product Shop International	**CM70**	0224070	7"	16:9 & 4:3	1440 x 234	✓	Yes x 2	-	-	-	✓	450:1	12/18ms	-	-	✓	-	800mA	Black	-
	Product Shop International	**LSM7323**	0315570	7"	16:9 & 4:3	1440 x 234	✓	Yes x 2	-	-	-	✓	300:1	15/15ms	✓	-	Optional	75mm	400mA	Black	-
	Product Shop International	**LM7323**	0346870	7"	16:9 & 4:3	1440 x 234	✓	Yes x 2	-	-	-	✓	300:1	15/15ms	✓	-	✓	75mm	400mA	Black	-
	Product Shop International	**SR810L**	0271400	8"	4:3	800 x 600	✓	Yes x 2	-	-	-	-	500:1	12/18ms	-	-	✓	-	350mA	Black	-
	Product Shop International	**LCD80AV**	0541910	8"	4:3	800 x 600	✓	Yes x 2	✓	-	-	✓	500:1	10/15ms	Optional	-	✓	75/100mm	500mA	Black	-
	Product Shop International	**L104AK**	0341510	10.4"	4:3	1024 x 768	-	Yes x 2	✓	Optional	Optional	✓	500:1	10/25ms	Optional	✓	✓	75/100mm	1.1Amp	Grey	-
	Product Shop International	**LM1055**	0347790	10.4"	4:3	800 x 600	✓	✓	✓	-	-	✓	500:1	15/15ms	Optional	-	✓	75mm	450mA	Black	-
	Product Shop International	**L121AVL**	0294710	12.1"	4:3	800 x 600	✓	Yes x 2	✓	Optional	Optional	✓	700:1	10/25ms	Optional	✓	✓	75/100mm	800mA	Grey	-
	15" MONITORS																				
	Bosch	**UML-151-90**	0421270	15"	4:3	1024 x 768	-	✓	✓	-	-	✓	600:1	<8ms	-	-	✓	✓	25W	Black	-
	17" MONITORS																				
	American Dynamics	**ADLCD17MB**	0690610	17"	5:4	1280 x 1024	-	-	-	-	-	✓	1000:1	5ms	-	✓	✓	✓	22w	Black	-
	American Dynamics	**ADLCD17GB**	0620770	17"	5:4	1280 x 1024	-	-	-	-	-	✓	1000:1	5ms	-	✓	-	✓	<30w	Black	-
	Bosch	**UML-171-90**	0431310	17"	4:3	1280 x 1024	-	✓	✓	-	-	✓	1000:1	<5ms	-	-	✓	✓	40W	Black	-
	Bosch	**UML-172-90**	0427640	17"	5:4	1280 x 1024	-	✓	✓	✓	✓	✓	1000:1	<5ms	-	✓	✓	✓	45W	Black	-
	JVC Professional	**GD-171**	0545680	17"	5:4	1280 x 1024	-	✓	✓	-	-	✓	800:1	<5ms	-	-	✓	100 x 100 mm	35W	Black	-
	Pelco	**PMCL317BL**	0659110	17"	5:4	1280 x 1024	✓	✓	✓	-	✓	✓	1000:1	<5ms	-	-	✓	✓	45W	Black	-
	Siemens	**CMTC1743**	0738960	17"	4:3	1280 x 1024 pixels 700 TVL (960H)	✓	✓	✓	✓	-	✓	1000:1	5ms	-	✓	✓	VESA 100 (100mm x 100mm)	25W	Silver	-
A	Vista	**VFS-117LED**	0498600	17"	4:3	1280 x 1024	✓	✓	✓	-	✓	✓	1000:1	<5ms	✓	-	✓	✓	20W	Black	-
	Vista	**VFS-117LEDNA**	0498660	17"	4:3	1280 x 1024	✓	✓	✓	-	✓	-	1000:1	<5ms	✓	-	✓	✓	20W	White	-
	Vista	**VFS-217LED**	0657490	17"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	-	✓	✓	22W	White	-
B	Vista	**VFS-317LED**	0657510	17"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	✓	✓	✓	22W	White	-

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Vista VFS-117LED

- 17 and 19" 4:3 format
- LED backlit, lower power consumption panel
- Glass fronted
- Composite, VGA and DVI input
- 5mS response time

B Vista VFS-317LED

- 17 and 19" 4:3 format
- 960H compatible
- Picture in picture mode
- LED backlit lower power consumption panel
- Glass fronted
- HDMI, dual composite looping, VGA and SVHS
- Audio in and out
- 5mS response time

C Vista VFS-221W

- 21.5" 16:9 format
- 960H compatible
- LED backlit, lower power consumption panel
- Glass fronted
- HDMI, dual composite looping, VGA and SVHS
- Audio In and out
- 5mS response time

BRACKETS
See page 156

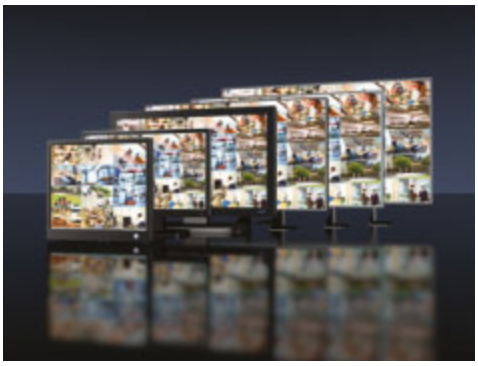
	Manufacturer	Part No	Quick Ref	Screen Size	Aspect Ratio	Max Resolution	LED Backlight	CVBS	VGA	HDMI	DVI	Audio In	Contrast Ratio	Response Time	Glass Front Screen	PiP	Integral Stand	Vesa	Power Consumption	Case Colour	Integral camera
	22" AND UNDER MONITORS																				
	American Dynamics	**ADLCD19WGB**	0680860	19"	16:9	1366 x 768	LED	-	-	-	-	✓	1000:1	5ms	-	-	✓	✓	<30w	Black	-
	American Dynamics	**ADLCD22GB**	0628940	22"	16:9	1920 x 1080	LED	-	-	-	-	✓	1000:1	5ms	-	-	✓	✓	<30w	Black	-
	American Dynamics	**ADLCD22MPB**	0628950	22"	16:9	1920 x 1080	LED	-	-	-	-	✓	1000:1	5ms	✓	✓	✓	✓	32w	Black	-
	Bosch	**UML-191-90**	0431300	19"	5:4	1280 x 1024	-	✓	✓	-	-	✓	800:1	<5ms	-	-	✓	✓	45W	Black	-
	Bosch	**UML-192-90**	0425740	19"	5:4	1280 x 1024	-	✓	✓	✓	✓	✓	800:1	<5ms	-	✓	✓	✓	50W	Black	-
	Bosch	**UML-19P-90**	0505870	19"	5:4	1280 x 1024	-	-	✓	-	✓	✓	800:1	<5ms	-	-	✓	✓	40W	Black	-
	Bosch	**UML-223-90**	0691630	21.5"	16:9	1920 x 1080	✓	-	✓	✓	✓	✓	1000:1	<5ms	-	-	✓	✓	42W	Black	-
	JVC Professional	**GD-191**	0545670	19"	5:4	1280 x 1024	-	✓	✓	-	-	✓	800:1	<5ms	-	-	✓	100 x 100 mm	40W	Black	-
	JVC Professional	**GD-W192**	0617010	18.5"	16:9	1366 x 768	✓	✓	-	✓	-	✓	1000:1	5ms	-	-	✓	100 x 100 mm (M4, 8 mm)	20.7W	Black	-
	Pelco	**PMCL319BL**	0618240	19"	5:4	1280 x 1024	✓	✓	✓	-	✓	✓	1000:1	<5ms	-	-	✓	✓	45W	Black	-
	Pelco	**PMCL419HB**	0616610	19"	5:4	1280 x 1024	✓	✓	✓	-	✓	✓	1000:1	<5ms	-	✓	✓	✓	47W	Black	-
	Product Shop International	**L192AVL**	0606380	19"	4:3	1280 x 1024	✓	✓	✓	✓	✓	✓	1000:1	1.3/3.7 Tr/Tf	-	✓	✓	75/100mm	12V DC 2.5 Amp	Dark Grey	✓
	Samsung Techwin	**SMT-1930P**	0600680	18.5"	16:9	1360 x 768	✓	✓	✓	✓	✓	✓	1000:1	<5ms	✓	✓	✓	✓	30W	Black	-
	Samsung Techwin	**SMT-1934**	0655130	19"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	✓	✓	✓	35W	Black	-
	Samsung Techwin	**SMT-2232V**	0571930	21.5"	16:9	1920 x 1080	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	✓	✓	✓	35W	Black	-
	Samsung Techwin	**SMT-2730**	0696160	27"	16:9	1920 x 1080	✓	✓	✓	✓	-	✓	1000:1	<8ms	✓	✓	✓	✓	32W	Black	-
	Siemens	**CMTC1943**	0000371	19"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	5ms	-	✓	✓	VESA 100 (100mm x 100mm)	27W	Silver	-
	Vista	**VFS-119LED**	0498610	19"	4:3	1280 x 1024	✓	✓	✓	-	✓	✓	1000:1	<5ms	✓	-	✓	✓	20W	Black	-
	Vista	**VFS-119LEDNA**	0498670	19"	4:3	1280 x 1024	✓	✓	✓	-	✓	-	1000:1	<5ms	✓	-	✓	✓	20W	White	-
	Vista	**VFS-219LED**	0657500	19"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	-	✓	✓	23W	White	-
	Vista	**VFS-319LED**	0657520	19"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	✓	✓	✓	23W	White	-
	Vista	**PVM19CAM**	0658130	19"	4:3	1280 x 1024	✓	✓	✓	✓	-	✓	1000:1	<5ms	-	-	-	✓	30W	Black	✓
C	Vista	**VFS-221W**	0472950	21.5"	16:9	1920 x 1080	✓	✓	✓	✓	-	✓	1000:1	<5ms	✓	-	✓	✓	25W	White	-
	40" AND UNDER MONITORS																				
	American Dynamics	**ADLCD32MPB**	0696300	32"	16:9	1920 x 1080	✓	✓	-	-	-	✓	3000:1	5ms	-	✓	✓	✓	<55w	Black	-
	Bosch	**UML-323-90**	0623830	32"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	3000:1	<6.5ms	-	-	Additional	200 x 200	75W	Black	-
	Pelco	**PMCL524BL**	0705180	24"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	1000:1	5ms	-	✓	✓	✓	<60W	Black	-
	Pelco	**PMCL532BL**	0680900	32"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	3000:1	<6.5ms	-	✓	-	-	120W	Black	-
	Product Shop International	**L240HDL**	0624910	24"	16:9 & 4:3	1920 x 1080	✓	✓	✓	✓	✓	✓	1000:1	3.5/1.5 Tr/Tf	✓	✓	✓	75/100mm	12V DC 2.0 Amp	Dark Grey	✓
	Samsung Techwin	**SMT-3231**	0695590	32"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	5000:1	<8ms	-	✓	Additional	200 x 200	70W	Black	-
	Samsung Techwin	**SMT-4031**	0695600	40"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	5000:1	<8ms	-	✓	Additional	200 x 200	100W	Black	-
	Siemens	**CMTC2315**	0658230	23"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	1000:1	5ms	-	✓	✓	VESA 100 (100mm x 100mm)	28W	Silver	-
	42" AND ABOVE MONITORS																				
	American Dynamics	**ADLCD42MPB**	0697800	42"	16:9	1920 x 1080	✓	✓	-	-	-	✓	3000:1	6.5ms	-	✓	✓	✓	<90w	Black	-
	American Dynamics	**ADLCD55MPB**	0697650	55"	16:9	1920 x 1080	✓	✓	-	-	-	✓	4000:1	6.5ms	-	✓	✓	✓	<160w	Black	-
	Bosch	**UML-553-90**	0629310	55"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	4000:1	<6.5ms	-	-	Additional	400 x 400	170W	Black	-
	Pelco	**PMCL542BL**	0656380	42"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	4000:1	<6.5ms	-	✓	-	-	150W	Black	-
	Pelco	**PMCL546BL**	0620190	46"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	4000:1	<6.5ms	-	✓	-	-	160W	Black	-
D	Pelco	**PMCL555BL**	0626890	55"	16:9	1920 x 1080	✓	✓	✓	✓	✓	✓	4000:1	<6.5ms	-	✓	-	-	170W	Black	-

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

PELCO
by Schneider Electric

D Pelco PMCL555BL

- 24, 32, 42, 46 & 55" models
- 1080p resolution
- HDMI, DP, VGA and DVI inputs
- LED backlight technology with Energy Star Certification 5.1
- CE, FCC, UL C-Tick, CCC, GOST-R and NOM Certification
- Three year warranty with option to extend



MONITOR ACCESSORIES

Manufacturer	Part No	Quick Ref	Product Description
BRACKETS			
Vista	**VESAWM Vesa**	0498620	VESA 75/100 wall bracket
Vista	**VESAWMPT**	0498630	VESA 75/100 pan & tilt wall bracket
Vista	**VESA200**	0444040	VESA 75/100/200 wall bracket
Vista	**VCBDEL2M**	0092210	2m pole, chrome
Vista	**VCBDEL3M**	0134440	3m pole, chrome, coupler included
Vista	**VESAPA1**	0264980	VESA 75/100 single monitor pole adaptor
Vista	**VESAPA2**	0264990	VESA 75/100 dual monitor pole adaptor
Vista	**VFSM/VESA/CB**	0093650	VESA 75/100 wall/ceiling bracket with 1m drop, black
Vista	**VFSM/VESA/CC**	0098100	VESA 75/100 wall/ceiling bracket with 1m drop, cream
Vista	**VFSM/VESA/WC**	0096570	VESA 75/100 wall/ceiling bracket with 1m drop, black
Vista	**LCD-IPMCA**	0251750	Ceiling adaptor for drop pole mount (VCBDEL poles)
Vista	**LCD-IPMGA**	0249130	Girder adaptor for drop pole mount (VCBDEL poles)
HDMI LEAD			
Vista	**HDMI lead 1.75m**	0473430	HDMI lead 1.75m

FOR OTHER PATCH LEADS AND CABLES PLEASE SEE OUR CABLE SECTION.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Access to exclusive brands

Thanks to our reputation in the market and our depth of experience, a number of brands have opted to work with us on an entirely exclusive basis, greater enhancing the range and diversity of products we can offer you.

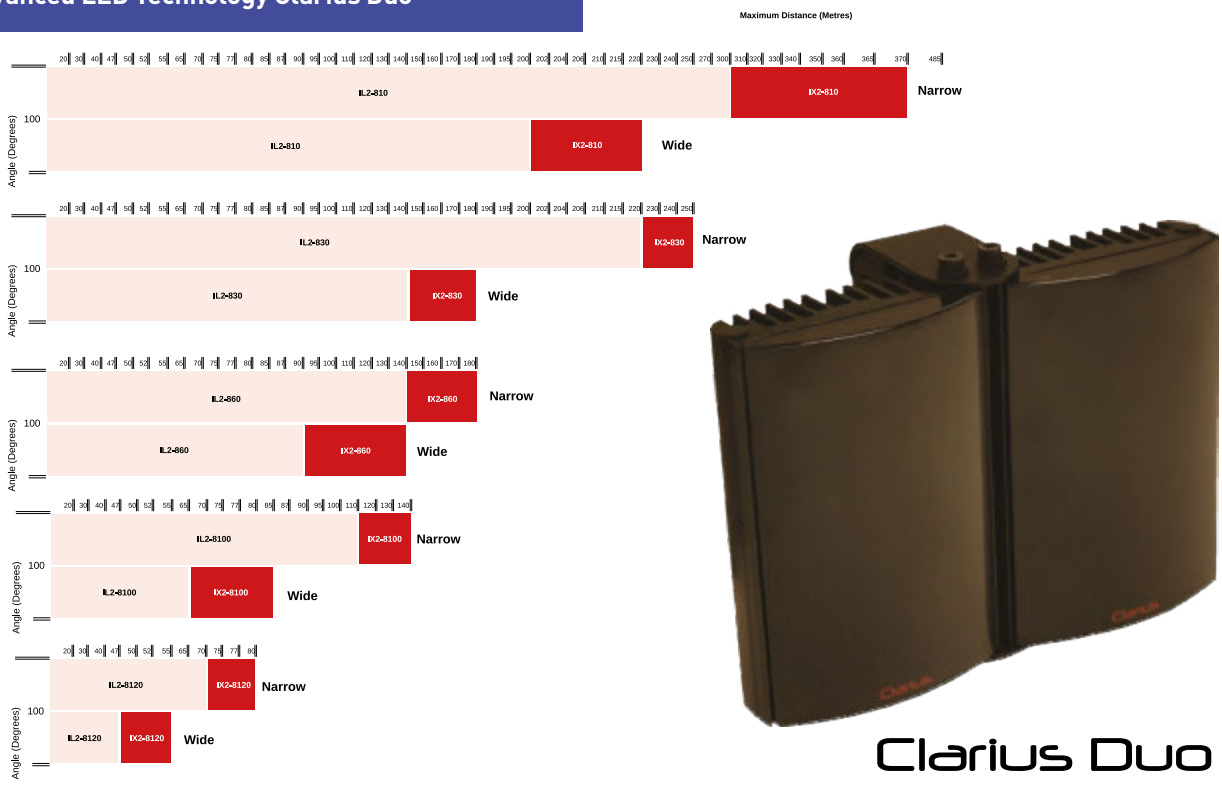
CABLES
See page 262

CONNECTORS
See page 266

Manufacturer	Part No	Quick Ref	Product Description
ADVANCED LED TECHNOLOGY LIGHTING			
Advanced LED Technology	**IS-800+**	0730220	CLARIUS PLUS small 850nm IR low voltage 15W LED light comes with variable angle diffusers
Advanced LED Technology	**IM-800+**	0730230	CLARIUS PLUS medium 850nm IR low voltage 26W LED light comes with variable angle diffusers
Advanced LED Technology	**IL-800+**	0730240	CLARIUS PLUS large 850nm IR low voltage 39W LED light comes with variable angle diffusers
Advanced LED Technology	**IX-800+**	0730250	CLARIUS PLUS XLarge 850nm IR low voltage 52W LED light comes with variable angle diffusers
Advanced LED Technology	**IL2-800+**	0730260	CLARIUS DUO PLUS large 850nm IR LED light comes with mains PSU & variable angle diffusers
Advanced LED Technology	**IX2-800+**	0730270	CLARIUS DUO PLUS XLarge 850nm IR LED light comes with mains PSU & variable angle diffusers
Advanced LED Technology	**VS-CW+**	0730280	CLARIUS PLUS small white light low voltage 15W LED light comes with variable angle diffusers
Advanced LED Technology	**VM-CW+**	0730290	CLARIUS PLUS medium white light low voltage 26W LED light comes variable angle diffusers
Advanced LED Technology	**VL-CW+**	0730300	CLARIUS PLUS large white light low voltage 39W LED light comes with variable angle diffusers
Advanced LED Technology	**VX-CW+**	0730310	CLARIUS PLUS XLarge white light low voltage 52W LED light comes with variable angle diffusers
Advanced LED Technology	**VL2-CW+**	0730320	CLARIUS DUO PLUS large white light LED light comes with mains PSU & variable angle diffusers
Advanced LED Technology	**VX2-CW+**	0730330	CLARIUS DUO PLUS XLarge white light LED light comes with mains PSU & variable angle diffusers
Advanced LED Technology	**IS-800P+**	0730340	CLARIUS PLUS small 850nm IR PoE 15W LED light comes with variable angle diffusers
Advanced LED Technology	**IM-800P+**	0730350	CLARIUS PLUS medium 850nm IR PoE 26W LED light comes with variable angle diffusers
Advanced LED Technology	**VS-CWP+**	0730360	CLARIUS PLUS small white light PoE 15W LED light comes with variable angle diffusers
Advanced LED Technology	**VM-CWP+**	0730370	CLARIUS PLUS medium white light PoE 26W LED light comes with variable angle diffusers
ADVANCED LED TECHNOLOGY LIGHTING PSUS			
Advanced LED Technology	**ALT-30-24**	0620650	PSU input 100-250V AC, output 24V 30W housing IP67
Advanced LED Technology	**ALT-60-24**	0627250	PSU input 100-250V AC, output 24V 60W housing IP67
Advanced LED Technology	**ALT-100-24**	0629570	PSU input 100-250V AC, output 24V 100W housing IP67
Advanced LED Technology	**ALT-150-24**	0693720	PSU input 100-250V AC, output 24V 150W housing IP67
BOSCH LIGHTING			
Bosch	**EX12LED-3BD-8M**	0597400	850nm 30°, up to 31m range, LED illuminator
Bosch	**EX12LED-3BD-9W**	0525470	940nm 30°, up to 15m range, LED illuminator
Bosch	**UFLED20-8BD**	0405940	Aegis UFLED, 20°, 850nm, up to 150m 12-24V AC/DC input, 45W
Bosch	**UFLED20-9BD**	0490560	Aegis UFLED, 20°, 940nm, up to 80m 12-24V AC/DC input, 45W
Bosch	**UFLED30-8BD**	0405880	Aegis UFLED, 30°, 850nm, up to 110m 12-24V AC/DC input, 45W
Bosch	**UFLED60-8BD**	0405900	Aegis UFLED, 60°, 850nm, up to 70m 12-24V AC/DC input, 45W
Bosch	**UFLED95-8BD**	0405910	Aegis UFLED, 95°, 850nm, up to 50m 12-24V AC/DC input, 45W
Bosch	**UFLED95-9BD**	0490600	Aegis UFLED, 95°, 940nm, up to 30m 12-24V AC/DC input, 45W
Bosch	**SLED120-8BD**	0618380	SuperLED black diamond 120°, 850nm, up to 55m, 12-24V AC/DC input, 90W
Bosch	**LED-658-AM**	0611100	EX65 Explosion protected illuminator, 850nm, 20°, up to 54m, 12-24V AC/DC input, 40W

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Advanced LED Technology Clarius Duo



LIGHTING

	Manufacturer	Part No	Quick Ref	Product Description
	VISTA IR ILLUMINATORS			
A	Vista	**VIRSY2-L**	0479700	Large 45 to 200m variable angle IR illuminator, filters supplied allow 10, 30 or 60° beam spreads, 12/24V, 850nm
	Vista	**VIRSY2-M**	0479690	Medium 30 to 110m, variable angle IR illuminator, filters supplied allow 10, 30 or 60° beam spreads, 12/24V, 850nm
	Vista	**VIRSY2-S**	0479680	Small 20 to 60m, variable angle IR illuminator, filters supplied allow 10, 30 or 60° beam spreads, 12/24V 850nm
B	Vista	**VIR-ZM1**	0479640	11-100m, IR lamp manually adjustable via allen screw 12/24V, 850nm
	VISTA IR ILLUMINATORS BRACKETS			
	Vista	**VIRB180**	0495870	Dual pole mount bracket for VIR range
	Vista	**VIRB360**	0495880	Quad pole mount bracket for VIR range
	Vista	**VIRBPTZ1**	0495850	1 lamp PTZ bracket for VIR range
	Vista	**VIRBPTZ2**	0495860	2 lamp PTZ bracket for VIR range
	Vista	**VIRBSPM**	0495890	Side pole mount bracket for VIR range
	Vista	**VIRBWM**	0495840	Spare wall bracket for VIR range

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Vista VIRSY2-L

- Interchangeable angle varying filters
- Up to 200m Illumination range
- Photcell controlled
- External trigger
- Power adjustment

B Vista VIR-ZM1

- Manually adjustable beam angle - via Allen scew
- Illumination range for 11 to 100m
- Photcell controlled
- 12/24V operation
- Bracket included

DID YOU KNOW?...

Continually evaluating the latest innovations and technologies

The technologies in the market never stand still, so nor do we. Our product management teams work tirelessly with new and existing suppliers to ensure we bring the most promising and exciting of these innovations to you.

POWER SUPPLIES
See page 254

	Manufacturer	Part No	Quick Ref	Product Description
	RAYTEC VARIO IR AND WHITE LIGHT ILLUMINATORS			
	Raytec	**VAR-i2-1**	0603160	VARIO i2 standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, clear and black, 12-24V, 850nm
	Raytec	**VAR-i2-2**	0691990	VARIO i2 Adaptive illumination, double panel, 850nm with 3 angle options included, 12-24V
	Raytec	**VAR-i4-1**	0603120	VARIO i4 standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, clear and black, 12-24V, 850nm
	Raytec	**VAR-i4-2**	0692970	VARIO i4 Adaptive illumination,double panel, 850nm with 3 angle options included, 12-24V
	Raytec	**VAR-i4-3**	0737740	VARIO i4 Ultimate Adaptive illumination, 3 panels with 3 angle options, 12-24V, 850nm
	Raytec	**VAR-i8-1**	0603080	VARIO i8 standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, clear and black, 12-24V, 850nm
A	Raytec	**VAR-i8-2**	0630010	VARIO i8 Adaptive illumination, double panel with 3 angle options, 12-24V, 850nm
	Raytec	**VAR-i8-3**	0700800	VARIO i8 Ultimate Adaptive illumination, 3 panels with 3 angle options, 12-24V, 850nm
	Raytec	**VAR-w2-1**	0603260	VARIO w2, standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, silver and white, 12-24V, white light
	Raytec	**VAR-w2-2**	0737750	VARIO w2 Adaptive illumination, 2 panels with 3 angle options, 12-24V, white light
	Raytec	**VAR-w4-1**	0603230	VARIO w4, standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, silver and white, 12-24V, white light
	Raytec	**VAR-w4-2**	0737760	VARIO w4 Adaptive illumination, 2 panels with 3 angle options, 12-24V, white light
	Raytec	**VAR-w4-3**	0737770	VARIO w4 Ultimate Adaptive illumination, 3 panels with 3 angle options, 12-24V, white light
	Raytec	**VAR-w8-1**	0603200	VARIO w8, standard pack 10 x 10, 30 x 10 and 60 x 25 angles included, silver and white, 12-24V, white light
	Raytec	**VAR-w8-2**	0737780	VARIO w8 Adaptive illumination, 2 panels with 3 angle options. 12-24V, white light
	Raytec	**VAR-w8-3**	0737790	VARIO w8 Ultimate Adaptive illumination, 3 panels with 3 angle options, 12-24V, white light
B	Raytec	**VAR-hy8-1**	0737800	Vario hybrid 8, 850nm IR and white light, 3 angles, 12-24V
	RAYTEC VARIO IP POE NETWORK LIGHTING			
	Raytec	**VAR-IPPOE-i4-1**	0737810	Vario IP network illuminator -i4, PoE or 24V DC, 3 angles, 850nm
C	Raytec	**VAR-IPPOE-i8-1**	0737820	Vario IP network illuminator -i8, PoE or 24V DC, 3 angles, 850nm
	Raytec	**VAR-IPPOE-w4-1**	0737830	Vario IP network illuminator -i4, PoE or 24V DC, 3 angles, white light
	Raytec	**VAR-IPPOE-w8-1**	0737840	Vario IP network illuminator -w8, PoE or 24V DC, 3 angles, white light

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Raytec VAR-i8-2

- Adaptive Illumination™
- Elliptical beam angles for optimal light distribution
- LED status indicator
- Distances up to 310m
- VARIO interchangeable lens system
- Hot-spot reduction technology

B Raytec VAR-hy8-1

- Infra red and White Light - all in a single unit
- Infra red for covert surveillance & white light for deterrent
- Easy switch-over via volt free input
- Distances up to 208m - IR & 134m - WL
- VARIO interchangeable lens system
- Hot-Spot reduction technology

C Raytec VAR-IPPOE-i8-1

- Dedicated IP lighting with PoE
- Integrated web interlace/VMS integration
- Advanced user defined settings
- Optional software levels
- VARIO interchangeable lens system
- Hot-spot reduction technology

LIGHTING

	Manufacturer	Part No	Quick Ref	Product Description
	RAYTEC VARIO ACCESSORIES			
	Raytec	**VAR-PSU-1x2**	0701640	Vario PSU 24V 20W 1x0/P for 1 x 2 series Vario illuminators
	Raytec	**VAR-PSU-2x4**	0705510	Vario PSU 24V 50x 2x0/P for 2 x 4 series Vario illuminators
	Raytec	**VAR-PSU-2x8**	0691590	Vario PSU 24V 100W 2x0/P for 2 x 8 series Vario illuminators
	Raytec	**VAR-PSU-3x8**	0737850	Vario PSU 24V 150x 3x0/P for 3 x 8 series Vario illuminators
	Raytec	**VAR-RC**	0603290	Remote control for Vario illuminator
	Raytec	**VAR-i2-LENS-8030**	0603180	VARIO i2 lens insert - 80H x 30V
	Raytec	**VAR-i4-LENS-8030**	0603140	VARIO i4 lens insert - 80H x 30V
	Raytec	**VAR-i4-LENS-12050**	0603150	VARIO i4 lens insert - 120H x 50V
	Raytec	**VAR-i8-LENS-8030**	0603100	VARIO i8 lens insert - 80H x 30V
	Raytec	**VAR-i8-LENS-12050**	0603110	VARIO i8 lens insert - 120H x 50V
	Raytec	**VAR-W2-LENS-12050**	0603280	VARIO w2 lens insert - 120H x 50V
	Raytec	**VAR-W4-LENS-12050**	0603250	VARIO w4 lens insert - 120H x 50V
	Raytec	**VAR-W8-LENS-12050**	0603220	VARIO w8 lens insert - 120H x 50V
	RAYTEC CAMERA HOUSING WITH INTEGRATED VARIO LIGHTING			
	Raytec	**VAR-VLK-i4-2**	0737860	Vario Lighthouse kit, 2 x 850nm, 3 angle options, Cat5e and power cable
	Raytec	**VAR-VLK-w4-2**	0737870	Vario Lighthouse kit, 2 x white light, 3 angle options, Cat5e and power cable
	RAYTEC RAYMAX IR LIGHTING			
A	Raytec	**RM100-AI-10**	0358590	RAYMAX 100 10-20° Adaptive illumination 850nm comes with PSU
	Raytec	**RM100-AI-120**	0328260	RAYMAX 100 120-180° Adaptive illumination 850nm comes with PSU
	Raytec	**RM100-AI-30**	0293250	RAYMAX 100 30-60° Adaptive illumination 850nm comes with PSU
	Raytec	**RM100-AI-50**	0328240	RAYMAX 100 50-100° Adaptive illumination 850nm comes with PSU
	Raytec	**RM150-AI-30**	0506970	RAYMAX 150 30-90° Adaptive illumination, 850nm comes with PSU
	Raytec	**RM150-AI-PAN**	0617030	RAYMAX 150 Panoramic illumniation 60-180 x 25 850nm comes with PSU
	Raytec	**RM200-AI-10**	0337300	RAYMAX 200 10-20° Adaptive illumination 850nm comes with PSU
	Raytec	**RM200-AI-120**	0328280	RAYMAX 200 120-180° Adaptive illumination 850nm comes with PSU
	Raytec	**RM200-AI-30**	0293330	RAYMAX 200 30-60° Adaptive illumination 850nm comes with PSU
	Raytec	**RM200-AI-50**	0320320	RAYMAX 200 50-100° Adaptive illumination 850nm comes with PSU
	Raytec	**RM25-120**	0328200	RAYMAX 25 120° 850nm comes with PSU
	Raytec	**RM25-30**	0293370	RAYMAX 25 30° 850nm comes with PSU
	Raytec	**RM25-50**	0328190	RAYMAX 25 50° 850nm comes with PSU
	Raytec	**RM300-AI-10**	0358580	RAYMAX 300 10-30° Adaptive illumination 850nm comes with PSU
	Raytec	**RM300-AI-30**	0490210	RAYMAX 300 30-90° Adaptive illumination, 850nm comes with PSU
	Raytec	**RM300-AI-PAN**	0626670	RAYMAX 300 Panoramic illumination, 60-180 x 25, 850nm comes with PSU
	Raytec	**RM50-AI-120**	0328220	RAYMAX 50 120-180° Adaptive illumination 850nm comes with PSU
	Raytec	**RM50-AI-30**	0293350	RAYMAX 50 30-60° Adaptive illumination 850nm comes with PSU
	Raytec	**RM50-AI-50**	0303890	RAYMAX 50 50-100° Adaptive illumination 850nm comes with PSU

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

A Raytec RAYMAX Family

DID YOU KNOW?...

Largest choice of products in the industry

Constant product research and evaluation guarantees that Norbain's product range remains the most comprehensive and advanced in the industry. All aspects of security systems are available, including CCTV, Access Control and Intruder, as well as cabling and accessories.

POWER SUPPLIES
See page 254

	Manufacturer	Part No	Quick Ref	Product Description
	RAYTEC RAYLUX WHITE LIGHTING			
B	Raytec	**RL100-AI-10**	0358650	RAYLUX 100 10-20° Adaptive illumination white light comes with PSU
	Raytec	**RL100-AI-120**	0328150	RAYLUX 100 120-180° Adaptive illumination white light comes with PSU
	Raytec	**RL100-AI-30**	0328130	RAYLUX 100 30-60° Adaptive illumination white light comes with PSU
	Raytec	**RL100-AI-50**	0328140	RAYLUX 100 50-100° Adaptive illumination white light comes with PSU
	Raytec	**RL150-AI-30**	0506990	RAYLUX 150 30-90° Adaptive illumination, white light comes with PSU
	Raytec	**RL150-AI-50**	0507000	RAYLUX 150 50-180° Adaptive illumination, white light comes with PSU
	Raytec	**RL200-AI-10**	0358640	RAYLUX 200 10-20° Adaptive illumination white light comes with PSU
	Raytec	**RL200-AI-120**	0328180	RAYLUX 200 120-180° Adaptive illumination white light comes with PSU
	Raytec	**RL200-AI-30**	0328160	RAYLUX 200 30-60° Adaptive illumination white light comes with PSU
	Raytec	**RL200-AI-50**	0328170	RAYLUX 200 50-100° Adaptive illumination white light comes with PSU
	Raytec	**RL25-120**	0328110	RAYLUX 25 120° white light comes with PSU
	Raytec	**RL25-30**	0358670	RAYLUX 25 30° white light comes with PSU
	Raytec	**RL25-50**	0358680	RAYLUX 25 50° white light comes with PSU
	Raytec	**RL300-AI-10**	0358620	RAYLUX 300 10-30° Adaptive illumination white light comes with PSU
	Raytec	**RL300-AI-30**	0449090	RAYLUX 300 30-90° Adaptive illumination, white light comes with PSU
	Raytec	**RL300-AI-50**	0358630	RAYLUX 300 50-180° Adaptive illumination white light comes with PSU
	Raytec	**RL50-AI-120**	0308960	RAYLUX 50 120-180° Adaptive illumination white light comes with PSU
	Raytec	**RL50-AI-30**	0358660	RAYLUX 50 30-60° Adaptive illumination white light comes with PSU
	Raytec	**RL50-AI-50**	0328120	RAYLUX 50 50-100° Adaptive illumination white light comes with PSU
	RAYTEC SPARTAN EX RATED IR AND WHITE LIGHTING			
C	Raytec	**SPX-FL24-I-1010**	0737880	Spartan Flood 24 LED, ex rated, 850nm, 10 x 10°
	Raytec	**SPX-FL24-I-120120**	0737890	Spartan Flood 24 LED, ex rated, 850nm, 120 x 120°
	Raytec	**SPX-FL24-I-3030**	0737900	Spartan Flood 24 LED, ex rated, 850nm, 30 x 30°
	Raytec	**SPX-FL24-I-5050**	0737910	Spartan Flood 24 LED, ex rated, 850nm, 50 x 50°
	Raytec	**SPX-FL24-W-1010**	0696820	Spartan Flood 24 LED, ex rated, white light, 10 x 10°
	Raytec	**SPX-FL24-W-120120**	0737920	Spartan Flood 24 LED, ex rated, white light, 120 x 120°
	Raytec	**SPX-FL24-W-3030**	0737930	Spartan Flood 24 LED, ex rated, white light, 30 x 30°
	Raytec	**SPX-FL24-W-5050**	0737940	Spartan Flood 24 LED, ex rated, white light, 50 x 50°
	RAYTEC MOUNTS			
	Raytec	**PBC-1**	0415860	Pole bracket clamp for 1 x RAYMAX, RAYLUX or VARIO products
	Raytec	**PBC-2**	0415870	Pole bracket clamp for 2 x RAYMAX, RAYLUX or VARIO products
	Raytec	**PBC-PSU-ADAP**	0600330	Adapter plate for PBC-1 or PBC-2 to mount PSU
	Raytec	**WB1**	0328310	Wall bracket - L bracket
	Raytec	**SB1**	0328290	Single bracket for top pan/tilt mount

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

B Raytec RAYLUX Family

C Raytec SPARTAN Family

DID YOU KNOW?...

Repair service

Let our Customer Service team take the stress and hassle out of having products from one or multiple manufacturers repaired, either in or out of warranty, and returned to a location of your choice.

HOUSINGS, BRACKETS & ACCESSORIES

	Manufacturer	Part No	Quick Ref	Product Description
	CAMERA HOUSINGS			
	American Dynamics	**AD1314-HB24**	0609720	External polycarbonate camera housing only, 24V AC heater & blower (304mm MCL)
	Bosch	**UHO-HBGS-50**	0385980	External IP66 camera housing only, 230V AC heater and blower (262mm MCL)
	Bosch	**UHO-HBGS-10**	0435490	External IP66 camera housing only, 24V AC heater and blower (262mm MCL)
	Bosch	**UHO-HGS-50**	0616020	External IP66 camera housing only, 230V AC heater (262mm MCL)
	Bosch	**UHO-HGS-10**	0389590	External IP66 camera housing only, 24V AC heater (262mm MCL)
	Bosch	**EXPB-3-W-Kit**	0521120	External IP66 housing with wall mount for IR lamp, 24V AC heater (230mm MCL)
	Pelco	**EH14**	0659040	External housing IP66 CE Megapixel window wide temp range
	Pelco	**EH14-2**	0710560	External housing IP66 CE Megapixel window 24V AC wide temp
	Pelco	**EH14-3**	0737290	External housing IP66 CE Megapixel window 230V AC wide temp
	Pelco	**EH16**	0736810	External housing IP66 UL CE Megapixel window
	Pelco	**EH16-2**	0736820	External housing IP66 UL CE Megapixel window 24V AC power
	Pelco	**EH16-2MT**	0736830	External housing IP66 UL CE Megapixel window 24V AC power mount
	Pelco	**EH16-2MTS**	0705290	External housing IP66 UL CE Megapixel window 24V AC power MSS
	Pelco	**EH16-2P**	0736840	External housing IP66 UL CE Megapixel window 24V AC PoE af
	Pelco	**EH16-2PMT**	0736850	External housing IP66 UL CE Megapixel window 24V AC PoE MT
	Pelco	**EH16-2PMTS**	0736860	External housing IP66 UL CE Megapixel window 24V AC PoE MTS
	Pelco	**EH16-3**	0736870	External housing IP66 UL CE Megapixel window 230V AC
	Pelco	**EH16-3MT**	0736880	External housing IP66 UL CE Megapixel window 230V AC MT
	Pelco	**EH16-3MTS**	0736890	External housing IP66 UL CE Megapixel window 230V AC MTSS
	Pelco	**EH16-8P**	0736900	External housing IP66 UL CE Megapixel window PoE at
	Pelco	**EH16-8PMT**	0736910	External housing IP66 UL CE Megapixel window PoE at MT
	Pelco	**EH16-8PMTS**	0706470	External housing IP66 UL CE Megapixel window PoE at MTSS
	Pelco	**EH16-MT**	0736920	External housing IP66 UL CE Megapixel window mount
	Pelco	**EH16-MTS**	0736930	External housing IP66 UL CE Megapixel window mount sun shield
	Pelco	**FH-HI10LW-12**	0736940	Fortified hi temp 1MP IXE10LW 2 to 12mm 240V AC
	Pelco	**FH-LI10LW-12**	0736950	Fortified low temp 1MP IXE10LW IP 2.8 to 12mm 24V AC
	Pelco	**FH-MI10LW-12**	0736960	Fortified high humidity 1MP IXE10LW IP 2.8 to 12mm 24V AC
	Pelco	**FH-SI10LW-12**	0736970	Fortified solar 1MP IXE10LW IP 2.8 to 12mm 24V AC
	Samsung Techwin	**SHB-4300H1**	0609880	External IP66 housing 24V AC heater, including wall bracket (300mm MCL)
	Samsung Techwin	**SHB-4300H2**	0541400	External IP66 housing 230V AC heater, including wall bracket (300mm MCL)
A	Siemens	**FH07C-30/L**	0584510	Flameproof housing 7" 24V AC
	Siemens	**CHSL4010**	0198440	Super connoisseur IP66 external housing only, 230V AC heater (400mm MCL)
	Siemens	**CHSL4011**	0204240	Super connoisseur IP66 external housing only, 12/24V AC heater (400mm MCL)
	Siemens	**CHSM2211**	0612780	External IP66 housing, 24V AC heater, cable managed bracket (225mm MCL)
	Siemens	**CHSM2510**	0508280	External IP66 camera housing only, 230V AC heater (250mm MCL)
	Vista	**VCMH24A**	0498410	External cable managed marine finished housing IP66, 24V AC
	Vista	**VCMHA**	0498400	External cable managed marine finished housing IP66, 230V AC
	Vista	**VHE-23HV**	0356960	External housing IP66 230V AC, RAL7035
	Vista	**VHE-23LV**	0356970	External housing IP66 24V AC, RAL7035
	Vista	**VHI-11**	0356950	Internal housing
	BRACKETS & ACCESSORIES			
	American Dynamics	**ADCHMTWALL**	0609730	Wall mount bracket - cable managed to suit AD1314 housings
	Bosch	**LTC9215/00**	0055550	Wall mount bracket - to suit UHO housings
	Pelco	**EM22**	0321450	Medium duty pedestal bracket
	Siemens	**CAHA1040**	0020090	40kg rated swivel mount adaptor, standard 4" pcd
	Siemens	**CHBC2020**	0508300	Wall mount bracket for CHSM2510 & CHSL2610 housings, cable managed
	Vista	**VHE-23-S/PLATE**	0495660	Spreader plate for VHE-23 housing
	Vista	**VHE-23-EPMA**	0442920	External pole mount adaptor for 1 or 2 VHE-23 housings
	Vista	**VHE-EPMA1**	0032830	External pole adaptor for 1 VCMH housing
	Vista	**VHE-EPMA2**	0032700	External pole adaptor for 2 VCMH housings
	Vista	**VHE-23-HTRHV**	0444630	Heater assembly for VHE-23, 230V AC
	Vista	**VHE-23-HTRLV**	0444620	Heater assembly for VHE-23, 24V AC
	PAN AND TILT UNITS			
	Siemens	**CDD2425**	0519640	25kg top mount, comes with presets, 48/24°sec, 24V DC
	Siemens	**CDD2416-T**	0024380	16kg top mount, comes with presets, 48/24°sec, 24V DC

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

SIEMENS

A Siemens FH07C-30/L

- Suitable for use in hazardous conductive dust conditions
- Each unit is individually pressure-tested
- Housings include thermostatically controlled demister and sunshield
- Cost effective wiper options
- Pre-build option available for camera and lens

DID YOU KNOW?...

Field-based and internal teams

Assigned to every account to maximise service levels, these teams provide you with the support you need, when and where you need it.

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

BOX CAMERA BRACKETS

Manufacturer	Part No	Quick Ref	Product Description
Vista	**PROTOSB1**	0032870	5.5" wall/ceiling bracket for box cameras, RAL7035
Vista	**PROTOSB2**	0032840	7.5" wall/ceiling bracket for box cameras, RAL7035
Vista	**VB1B**	0032650	5.5" wall/ceiling bracket for box cameras, black
Vista	**VB1W**	0032630	5.5" wall/ceiling bracket for box cameras, white
Vista	**VB2B**	0032670	7.5" wall/ceiling bracket for box cameras, black
Vista	**VB2W**	0032660	7.5" wall/ceiling bracket for box cameras, white
Vista	**VCMB**	0033110	6.8" cable managed wall/ceiling, RAL7035
Vista	**VCBW**	0032720	190mm drop ceiling bracket for box cameras, white

OTHER BRACKETS/ADAPTORS

Manufacturer	Part No	Quick Ref	Product Description
Pelco	**BU-ADAPTER**	0736980	Adapter plate for conduit box for bullet mounting
Vista	**VBC-EPMA/B**	0496990	Bullet external pole mount adaptor, black
Vista	**VFDS-IWMB/W**	0444930	Wall mount bracket for VFD cameras, white
Vista	**VFDS-IWMB/B**	0444940	Wall mount bracket for VFD cameras, black
Vista	**VFDS-IPMB/W**	0155090	1.5m pendant drop for VFD domes, white
Vista	**VRD-EWMB**	0498930	Wall bracket for VRD , VPL7 and VK2-VRD style cameras, RAL7035
Vista	**VVRD-EWMB1**	0479030	Low profile wall bracket for VVRDand VK2-VRD cameras, RAL7035
Vista	**VPL-EWMB/PSU**	0442910	Wall bracket with integral 24VAC 3amp PSU for VVRD and VK2-VRD cameras, IP66, RAL7035
Vista	**VRD-EPMB**	0498940	500mm pendant drop for VVRD, VPL7 and VK2-VRD cameras, RAL7035
Vista	**VRD-TM**	0498950	Tower mount swan neck bracket for VVRD, VPL7 and VK2-VRD cameras, RAL7035
Vista	**VRD-TMJB**	0690220	Tower mount swan neck bracket with junction box for VVRD, VPL7 and VK2-VRD cameras, RAL7035
Vista	**VRD/VPL7-SPACER**	0498380	45mm spacer for use with VVRD, VPL7 and VK2-VRD cameras, RAL7035
Vista	**VPL-SM-FM**	0497090	Flush ceiling mount for use with VPL7 PTZ camera, RAL7035
Vista	**VPL-EWMBe**	0498960	Wall mount bracket for use with VP-960H and VPL7-PM PTZ domes, RAL7035
Vista	**VPP-IPMB250**	0472170	250mm Pendant mount for use with VP-960H and VPL7 PTZ domes, RAL7035
Vista	**VPP-TM**	0470440	Tower mount swan neck bracket for VP-960H and VPL7 PTZ domes, RAL7035
Vista	**VPP-TMJB**	0690320	Tower mount swan neck bracket with junction box for VP-960H and VPL7 PTZ domes, RAL7035
Vista	**VDM-ECMA**	0457230	Corner mount adaptor for VRD-EWMB and VPL-EWMBe, RAL7035
Vista	**VDM-EPMAg**	0457240	Pole mount adaptor for VRD-EWMB and VPL-EWMBe, RAL7035
Vista	**VDM-IPMCA**	0276270	Solid ceiling adaptor for use with VDM-2MP poles, RAL7035
Vista	**VDM-IPMGA**	0291100	Girder mount adaptor for use with VDM-2MP poles, RAL7035
Vista	**VDM-2MP**	0276240	2m drop pole, RAL7035
Vista	**VDM-C**	0276250	Pole coupler
Vista	**VFDS-IPMA**	0300860	VFD camera adaptor for use with VDM-2MP pole, RAL7035
Vista	**VFDAS-IPMA**	0496980	VFDA and VK2-VFD camera adaptor for use with VDM-2MP pole, RAL7035
Vista	**VPL-IPMA**	0291180	VVRD and VK2-VRD camera adaptor for use with VDM-2MP pole, RAL7035
Vista	**VPP-IPMA**	0472160	VP-960H and VPL7-PM camera adaptor for use with VDM-2MP pole, RAL7035

Flexibility by Design™

B Vista VBC-EPMA/B

- Pole mount adaptor for the VBC400-960H, VBC502-960H & VBC503-960H bullet cameras
- Black

SIGNAGE

Manufacturer	Part No	Quick Ref	Product Description
VeriFi FMS	**SIS-A3PP-10**	0739470	Pack of 10 A3 plastic statutory '24 hour CCTV in operation' sign
VeriFi FMS	**SIS-A4PP-10**	0739480	Pack of 10 A4 plastic statutory '24 hour CCTV in operation' sign

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

TOWERS

	Manufacturer	Part No	Quick Ref	Product Description
	ALTRON FIXED COLUMN (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACC1FBLA**	0048160	4.5m fixed base column
	Altron	**ACC2FBLA**	0164680	6m fixed base column
	ALTRON TILT-DOWN COLUMN (BASE MOUNTED IN CONCRETE)			
	Altron	**ACC1PMLA**	0557060	4.5m tilt-down column post mounted into concrete
	Altron	**ACC2PMLA**	0385650	6m tilt-down column post mounted into concrete
	ALTRON FIXED BASE LATTICE TOWER (BASE MOUNTED IN CONCRETE)			
	Altron	**ACT2FB**	0045330	6m fixed base lattice tower
	ALTRON TILT-DOWN COLUMN (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACC1BPLA**	0198740	4.5m tilt-down column base post bolt to concrete
A	Altron	**ACC2BPLA**	0045780	6m tilt-down column base post bolt to concrete
	ALTRON TILT-DOWN LATTICE TOWER (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACT1BP**	0045920	4.5m tilt-down lattice tower base post bolted to concrete
B	Altron	**ACT2BP**	0045290	6m tilt-down lattice tower base post bolt to concrete
	ALTRON TILT-DOWN TUBULAR POLE (BASE TO BE BOLTED ON CONCRETE)			
C	Altron	**AW1859/6**	0050570	6m tilt-down tubular pole
	Altron	**AW4460/6**	0588480	6m light duty tilt-down tubular pole

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Customer-specific logistics solutions

From eco-site compatibility to next day delivery in the UK & Ireland or air freight world wide, we're geared around understanding your requirements, and meeting them.

ALTRON The Pinnacle of Camera Mounting

A Altron ACC2BPLA

- Modular construction for ease of assembly and installation on site
- Close fitting flush doors with secure heavy duty locks
- Internal padlock facility
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable camera maintenance at ground level, therefore reducing maintenance costs
- Available with AW1697 cabinet if required

ALTRON The Pinnacle of Camera Mounting

B Altron ACT2BP

- Modular construction for ease of assembly and installation on site
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable camera maintenance at ground level, therefore reducing maintenance costs
- Conduit cabling system available as option
- Available with AW1697 cabinet if required

ALTRON The Pinnacle of Camera Mounting

C Altron AW1859/6

- Close fitting flush doors with secure heavy duty locks and treated backboard
- Internal padlock facility
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable camera maintenance at ground level, therefore reducing maintenance costs
- Can be mounted with anchor bolts below ground level
- Available in embedded / direct burial version

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824

	Manufacturer	Part No	Quick Ref	Product Description
	ALTRON WALL MOUNT POLES			
	Altron	**ACP1/150**	0303110	3m wall mount pole with 150mm stand off
	Altron	**ACP2/150**	0373180	4m wall mount pole with 150mm stand off
	Altron	**ACP3/150**	0228600	5m wall mount pole with 150mm stand off
	Altron	**ACP4/150**	0408790	6m wall mount pole with 150mm stand off
D	Altron	**AW1934/4**	0438740	4m tilt-down wall pole
	ALTRON CABINET BASED POLES			
E	Altron	**AW1545/6/BAS**	0322380	6m cabinet based pole (350mm cabinet as standard)
	Altron	**AW1545/6TD/BAS**	0340970	6m tilt-down cabinet based pole (350mm cabinet as standard)
	ALTRON TUBULAR FIXED POLES (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**AW1755/3**	0053820	3m light duty tubular pole
	Altron	**AW1592/4**	0557670	4m medium duty tubular pole
	ALTRON POLE TOWER ACCESSORIES			
	Altron	**PTS-1**	0045440	Static pan & tilt bracket to mount 1x housing
	Altron	**SGT1**	0045970	Tower anti-climb guard (match number to tower)
	Altron	**SGC1**	0046000	Column anti-climb guard (match number to column)
	Altron	**TB2-600F**	0075160	Twin mounting bracket for static housing
	Altron	**TB2-1000**	0141050	Twin mounting bracket for PTZ cameras
	Altron	**DW1500AC**	0287270	Demountable winch for ACC3 (suffix part number with pole type)
	Altron	**DW1000AC**	0302650	Demountable winch for ACC1/2 (suffix part number with pole type)
	Altron	**BCB-T1**	0627750	Single bullet camera mounting bracket
	Altron	**BCB-T2**	0697420	Twin bullet camera mounting bracket
	Altron	**AW1699F/PEL**	0730380	Pole top full swan neck for Pelco dome (other dome types available)
F	Altron	**AW1699H/PHIL**	0730390	Pole top half swan neck for Philips dome (other dome types available)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification

DID YOU KNOW?...

Demo rooms and conference facilities

Our demo rooms contain the latest IP and analogue products making them ideal for product shoot-outs, customer demonstrations and keeping up to date with the latest technologies. This helps ensure your customers always find the best solution to their requirements.

ALTRON The Pinnacle of Camera Mounting

D Altron AW1934/4

- Ideal for gaining an elevated viewpoint from existing structures
- Common sizes held in stock
- Winches are demountable for added security
- Available in tilt-away, left and right hand tilt versions, and also for corner mounting

ALTRON The Pinnacle of Camera Mounting

E Altron AW1545/6/BAS

- Close fitting flush doors with secure heavy duty locks and treated backboard
- Available in cabinet sizes from 300mm to 600mm square (350mm square as standard)
- Available in tilt-down version
- Demountable winches (for tilt-down versions) ensure tilt-down models are secure and reduces costs on multiple installations

ALTRON The Pinnacle of Camera Mounting

F Altron AW1699H/PHIL

- Swan neck brackets fit to the top of any Altron CCTV camera mounting product – fixes with 101.6 PCD plate
- Cabling for dome concealed through swan neck
- Stock holding for common dome types
- Can be produced to suit any dome type
- Available in twin (AW1699TH), triple (AW1699/3H) and quadruple (AW1699/4H) dome mounting options